

20020402.qrp v02_n513.qrl.20020402

Date: Tue, 2 Apr 2002 19:03:06 EST
From: qrp-1@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: QRP-L digest 2513

QRP-L Digest 2513

Topics covered in this issue include:

- 1) [123794] RE: Lightning Protection
by Nick Kennedy <nkennedy@tcainternet.com>
- 2) [123795] Re: Free Firewall Software?
by "ss lyon" <sslyon@megalink.net>
- 3) [123796] RE: Doug Don't Ferget Us Arkies (An Okie Response)
by Nick Kennedy <nkennedy@tcainternet.com>
- 4) [123797] SMT Parts Bonanza
by John Wagner <john@wagner-usa.net>
- 5) [123798] Re: SMT Parts Bonanza
by "Brian Murrey" <brian@iquiest.net>
- 6) [123799] Power Supply Noise
by Claude <mck20@yahoo.com>
- 7) [123800] BB 4/02. For real This Time!
by "N8IE" <n8ie@woh.rr.com>
- 8) [123801] Re: [fpqrp] Dayton Advice
by "w8diz" <w8diz@fpqrp.com>
- 9) [123802] Dayton security rules
by <n2go@arrl.net>
- 10) [123803] WTB Ten tec 936
by <n2go@arrl.net>
- 11) [123804] Still looking for FT-243's
by w4clm.ham@juno.com
- 12) [123805] Spartan Sprint stuff
by "Karl F. Larsen" <k5di@zianet.com>
- 13) [123806] Re: Iambic Paddles A/B
by "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
- 14) [123807] Re: [fpqrp] Dayton Advice
by David Hinerman <wd8civ@worldnet.att.net>
- 15) [123808] HamVention Secuirty
by NV9Z@aol.com
- 16) [123809] SP (spartan) de K7Q0 [long]
by Chuck Adams <k7qo@earthlink.net>
- 17) [123810] Re: Power Supply Noise
by Steven Weber <kd1jv@moose.ncia.net>
- 18) [123811] Re: Iambic Paddles A/B
by Chuck Adams <k7qo@earthlink.net>
- 19) [123812] Re: Air Wound Toroids

- by George Gingell <k3tks@u1.abs.net>
- 20) [123813] Mode A vs Mode B Research Question
by Chuck Adams <k7qo@earthlink.net>
- 21) [123814] Re: [fpqrp] Dayton Advice
by "Dave Fifield" <dave@redhotradio.com>
- 22) [123815] Re: Iambic Paddles A/B
by Don <dwittlic@APCI.net>
- 23) [123816] WTB Ten Tec 208A cw filter with notch
by "Ronald Davis" <RDavis24@carolina.rr.com>
- 24) [123817] FS: SST-30
by "John Dorson" <jdorson@Worldshare.net>
- 25) [123818] Re: [fpqrp] Dayton Advice
by KKANALZ@prodigy.net
- 26) [123819] Re: Lightning Protection
by "E. Roswell" <eroswell@monmouth.com>
- 27) [123820] mode "A" vs mode "B"
by Dave Pomeroy <dave@dpomeroy.com>
- 28) [123821] un-subscribe
by "Peter Pavlovich" <radioroom@hotmail.com>
- 29) [123822] Re: Iambic Paddles A/B
by John Kuklewicz N7ZN <kukl@cybrquest.com>
- 30) [123823] Re: Mode A vs Mode B Research Question
by "Karl F. Larsen" <k5di@zianet.com>
- 31) [123824] FS DSW-40
by "Craig A. Ferris" <cferris@aeronix.com>
- 32) [123825] Re: HamVention Secuirty
by brian@iquest.net
- 33) [123826] sorry about hotmail & yahoo..
by Goemans <jgoemans@facstaff.wisc.edu>
- 34) [123827] Re: [fpqrp] Dayton Advice
by brian@iquest.net
- 35) [123828] Re: Mode A vs Mode B Research Question
by Brad Mitchell <n8yg@yahoo.com>
- 36) [123829] WPX results - KC8LTL
by KENNETH ROBERT MCGUIRE <at902@tcnet.org>
- 37) [123830] FDIIM room sharing
by "w8diz" <w8diz@fpqrp.com>
- 38) [123831] Re: [fpqrp] Dayton Advice
by Tom Feeny <tfeeny@comcast.net>
- 39) [123832] Keying modes
by igeq100@iupui.edu
- 40) [123833] Small Wonder Labs DSW Rigs -- a seller's market and SSB receive mod
by "Bruce Prior" <n7rr@hotmail.com>
- 41) [123834] Re: un-subscribe
by "Ingo, DK3RED" <dk3red@t-online.de>
- 42) [123835] Yaesu FT-301S
by Hal553@aol.com
- 43) [123836] Re: Keying modes

by "Ingo, DK3RED" <dk3red@t-online.de>
44) [123837] Re: Keying modes (2)
by "Ingo, DK3RED" <dk3red@t-online.de>
45) [123838] Re: sorry about hotmail & yahoo..
by "John L. Sielke" <w2agn@w2agn.net>
46) [123839] Re: [fpqrp] Dayton Advice
by George Franklin <w0av@juno.com>
47) [123840] query
by Bruce Rattray <rattray@gpfn.sk.ca>
48) [123841] Re: [fpqrp] Dayton Advice
by "John L. Sielke" <w2agn@w2agn.net>
49) [123842] Re: Mode A vs Mode B Research Question
by Mike <mmorrow@companet.net>
50) [123843] Re: Dayton security rules
by "Howard Kraus" <K2UD@adelphia.net>
51) [123844] DSW sold!
by "Craig A. Ferris" <cferris@aeronix.com>
52) [123845] Re: Keying modes
by "Charles Mabbott" <aa8vs@msn.com>
53) [123846] Re: Keying modes (3)
by "Ingo, DK3RED" <dk3red@t-online.de>
54) [123847] Iambic Keying 101 --- Part 1
by Chuck Adams <k7qo@earthlink.net>
55) [123848]
by Tom Feeny <tfeeny@comcast.net>
56) [123849] Re: Keying modes (3a)
by "Ingo, DK3RED" <dk3red@t-online.de>
57) [123850] Re: Mode A vs Mode B Research Question
by JClinton46@aol.com
58) [123851] CAP/HAT
by "W2WU" <w2wurjj@verizon.net>
59) [123852] Cap/Hat
by Tom Feeny <tfeeny@comcast.net>
60) [123853] Re: [TenTec] what is "quiet"?
by "Ham" <KD5NWA@mbayona.com>
61) [123854] 17M mods to 38S rig.
by "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
62) [123855] Re: Cap/Hat
by "Charles Mabbott" <aa8vs@msn.com>
63) [123856] Elecraft CC and WAS awards web page online
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
64) [123857] Re: Cap/Hat
by "John L. Sielke" <w2agn@w2agn.net>
65) [123858] Re: Cap/Hat
by George Franklin <w0av@juno.com>
66) [123859] Re: Free Firewall Software?
by "John Moriarity" <k6qq@hdo.net>
67) [123860] Re: Cap/Hat

by Larry Cahoon <lejek@erols.com>
68) [123861] Re: Cap/Hat
by "Charles Mabbott" <aa8vs@msn.com>
69) [123862] Off to Arkiecon
by "Doug Hendricks" <ki6ds@dph.dpol.net>
70) [123863] Michigan QRP Net tonight
by "Kwik, Ed " <ed.kwik@delphiauto.com>
71) [123864] Re: Off to Arkiecon
by "Lee Mairs" <lmairs@cox.rr.com>
72) [123865] Re: [Elecrafft] Elecrafft CC and WAS awards web page online
by Larry Cahoon <lejek@erols.com>
73) [123866] Re: Off to Arkiecon
by "Doug Hendricks" <ki6ds@dph.dpol.net>
74) [123867] Re: Cap/Hat
by "Mike Yetsko" <myetsko@insydesw.com>
75) [123868] Re: Cap/Hat
by "John L. Sielke" <w2agn@w2agn.net>
76) [123869] QQ
by "Francis Callahan" <colcal@srv.net>

Date: Mon, 1 Apr 2002 18:40:39 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'mmartin@internetni.com'" <mmartin@internetni.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123794] RE: Lightning Protection
Message-ID: <01C1D9AC.B93A69E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Mike-

I don't see why moving to the 2nd floor would make you more susceptible to lightning problems.

There are exotic methods of hardening installations like "ground windowing", but that's a pretty complicated retrofit for most of us.

Fairly conservative folks disconnect the coax from the rig when not in use.

Really conservative ones even throw it out the window!

Somewhat conservative guys like me use antenna switches that ground unused inputs, and switch 'em to ground ALL inputs when the rig is not in use or when they hear thunder (usually). Of course that doesn't protect your rig from direct hits but it does protect from induced voltages caused by nearby

(but not T00 nearby) hits. Which is suspect is our biggest risk anyway.

You can get those cool gas discharge suppressors and put 'em in your coax, but they might be a bit pricey.

To read a bunch of good stuff from guys arguing about lightning protection, go to Google and use its groups search option, then hunt for postings on the subject of lightning. I think the ones from Gary Coffman are especially good, but that group also includes folks like 160 meter giant W8JI and antenna modeling guru Roy Lewallen. I jammed a bunch of excerpts of such postings into a word file a while back. I'll send it to ya if you're interested.

Meanwhile, throw a pinch of salt over your shoulder, ring the church bells, or best of all--hide under the bed.

72 & GL--

Nick, WA5BDU
in lightning rich Arkansas

-----Original Message-----

From: Mike Martin [SMTP:mmartin@internetni.com]

In relocating I have the opportunity to shorten some of my feedlines and run

them in through a window, rather than through a basement window. On 6 and 2 meters this could make quite a difference.

Am I going to have more problems with lightning strikes?

Date: Mon, 1 Apr 2002 19:47:08 -0500

From: "ss lyon" <sslyon@megalink.net>

To: <carlseye@tampabay.rr.com>,

"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [123795] Re: Free Firewall Software?

Message-ID: <007301c1d9df\$eb4fe260\$5cc7e742@megalink.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

SURE IS... AND I LIKE IT A LOT

73

AA1MY

Seabury & Sharon Lyon
99 Sparrowhawk Mtn Rd
Bethel ME, 04217 U.S.A.
207-836-2576

Virus Protection by Norton and ZoneAlarm

----- Original Message -----

From: "carl seyersdahl" <carlseye@tampabay.rr.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, April 01, 2002 6:06 PM
Subject: Re: Free Firewall Software?

> Is the Zonealarm program compatible with other security programs, such as
> Norton or McAfee???

> carl / kz5ca

> ----- Original Message -----

> From: "George, W5YR" <w5yr@att.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Sunday, March 31, 2002 10:12 PM
> Subject: Re: Free Firewall Software?

>

>

> > Doc, the best there is and it's free:

> >

> > Zone Alarm

> >

> > Go to

> >

> > <http://www.zonelabs.com>

> >

> > and download the demo which is more than adequate for home use and is
> > unrestricted in any way.

> >

> >

> > 73/72/00, George W5YR - the Yellow Rose of Texas

> > Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

> > Amateur Radio W5YR, in the 56th year and it just keeps getting better!

> > QRP-L 1373 NETXQRP 6 SOC 262 COG 8 FPQRP 404 TEN-X 11771 I-LINK 11735

> > Icom IC-756PRO #02121 Kachina 505 DSP #91900556 Icom IC-765 #02437

> >

> > All outgoing email virus-checked by Norton Anti-Virus 2002

> >

> >

> > Doc Lindsey wrote:

> > >

> > > Gang:

> > >
> > > Help--looking for free internet firewall software. Can anyone help?
> Thanks
> > > in advance.
> >
>

Date: Mon, 1 Apr 2002 18:58:49 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123796] RE: Doug Don't Ferget Us Arkies (An Okie Response)
Message-ID: <01C1D9AF.43BC4280.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'll be travelling that tough 70 miles from Russellville to Fort Smith.
It'll take about 3 days as the first 20 miles is by mule, then white water
rafting for 30, and hiking through the mountains the last 20. All the
while watching out for bands of intruding Okies and Missourians, as they
cross the border to poach game and pick up untaxed hootch.

Won't have my banjo on my knee--it'll be strapped to my back. Bring your
earplugs.

Hey guys--I don't think we have a judging or anything, but let's be sure to
bring some rig or doohickey for show-and-tell i.a.w. the tradition. I
think Don, K5KW is bringing a little hollow state TX he just finished.
Maybe I'll bring the 80 M VFO I did for the 80 M TT2.

Plus (seriously now), I'll be on one of my first HF mobile trips as I
recently put the 706, screwdriver, and new pickup (goodbye Miata) all
together. Maybe I'll work that antenna-festooned pesky Texanmobile along
the way.

It's gonna be great. Sure wish that rich uncle I didn't know I had would
hurry up and leave me a zillion bucks so I could retire and start hitting
all these CONs. Pacificon, Alanticon, Indian Ocean-con, Izbekistan-con,
Arkicon and (what?) Fort Tuthill. Not to mention Conn-con. (If there's
no such thing, there oughta be.)

I don't know about Microbrews. Honesty compels me to reveal that I've had
one microbrew from the Fort area that competes in the 'world's worst beer'
category. (The absolute worst being a Jax or somethin I had in Dallas
around 1973.) I poured 'em out, and if you knew me well, you'd know that's

not an everyday occurrence. So use caution.

See y'all there.

72--Nick, WA5BDU

--keeping the Arkie in Arkiecon for the past four years.

Date: Mon, 01 Apr 2002 21:20:33 -0500
From: John Wagner <john@wagner-usa.net>
To: <qrp-1@lehigh.edu>
Subject: [123797] SMT Parts Bonanza
Message-ID: <B8CE7FA0.1481%john@wagner-usa.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I recently ordered a whole mess of SMT parts to build 2n2/40+ #2. I ordered in bulk to save money, and now have tons of parts that I'll never, ever possibly use. The good news is they don't take up a lot of space.

I've split them up and am offering them as a kit:

Resistors:

100 ohm 1206 x100 1/8w +-5%
33K 1206 x25 RMC1/8
10 ohm 0803 x10 1/10w +-5%
100K 1206 x100 RMC1/8
150 ohm 0804 x100 RMC10
2.2K 1206 x100 RMC1/8
470 ohm 1206 x100 RMC1/8
4.7K 1206 x40 RMC1/8

Caps:

.1uF (100KpF) 1006 x25 C2012X7R1E104K
.22uF 0804 x60 C1608JB1A224K
.022uF 1006 x20 C2012ZJF1H223Z
220pF 0804 x75 C1608SL1H221J
100pF 0804 x75 C1608CH1H101J
680pF 1006 x75 C2012X7R1H681K
4.7uF 1006 x25 C2012JB0J475 +-10%

Inductor:

4.7uH 1006 x25

Over 1000 parts! No loose parts, all are on the tape they originally came on. I've given the sizes and values that I could make out from the label on the tape reel.

Cost is \$15 shipped to your door via USPS. DX is extra, please email first. Canada OK to send equiv. Canadian funds or Canadian check (it all spends where I live).

I have a limited supply of these parts. Please email me first and I will reserve a pack for you and send payment instructions.

I am also interested in trading for other SMT parts that I don't have listed above - in particular if they are values that are used in the 2n2-40+. Please email me what you have.

Disclaimer: The counts above are approximate. You may get one or two more, or less. I've tried to be as exact as possible while cutting up the tapes, but it's quite possible I'm off on a few. If you do get shorted significantly, email me and I'll get the proper amount out to you.

Thanks es 73,

John, N1QO

Date: Mon, 1 Apr 2002 21:44:33 -0500
From: "Brian Murrey" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123798] Re: SMT Parts Bonanza
Message-ID: <001901c1d9f0\$52cd4fd0\$d3382bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

John,

THIS is a GREAT deal!!

Thanks!!

Paypal?

----- Original Message -----

From: "John Wagner" <john@wagner-usa.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, April 01, 2002 9:20 PM

Subject: SMT Parts Bonanza

> I recently ordered a whole mess of SMT parts to build 2n2/40+ #2. I ordered

> in bulk to save money, and now have tons of parts that I'll never, ever

> possibly use. The good news is they don't take up a lot of space.

>

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>

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> 33K 1206 x25 RMC1/8

> 10 ohm 0803 x10 1/10w +-5%

> 100K 1206 x100 RMC1/8

> 150 ohm 0804 x100 RMC10

> 2.2K 1206 x100 RMC1/8

> 470 ohm 1206 x100 RMC1/8

> 4.7K 1206 x40 RMC1/8

>

> Caps:

> .1uF (100KpF) 1006 x25 C2012X7R1E104K

> .22uF 0804 x60 C1608JB1A224K

> .022uF 1006 x20 C2012ZJF1H223Z

> 220pF 0804 x75 C1608SL1H221J

> 100pF 0804 x75 C1608CH1H101J

> 680pF 1006 x75 C2012X7R1H681K

> 4.7uF 1006 x25 C2012JB0J475 +-10%

>

> Inductor:

> 4.7uH 1006 x25

>

> Over 1000 parts! No loose parts, all are on the tape they originally

> came on. I've given the sizes and values that I could make out from the

> label on the tape reel.

>

> Cost is \$15 shipped to your door via USPS. DX is extra, please email first.

> Canada OK to send equiv. Canadian funds or Canadian check (it all spends

> where I live).

>
> I have a limited supply of these parts. Please email me first and I
will
> reserve a pack for you and send payment instructions.
>
> I am also interested in trading for other SMT parts that I don't
have listed
> above - in particular if they are values that are used in the
2n2-40+.
> Please email me what you have.
>
> Disclaimer: The counts above are approximate. You may get one or two
more,
> or less. I've tried to be as exact as possible while cutting up the
tapes,
> but it's quite possible I'm off on a few. If you do get shorted
> significantly, email me and I'll get the proper amount out to you.
>
> Thanks es 73,
>
> John, N1QO
>
>
>

Date: Mon, 1 Apr 2002 19:01:38 -0800 (PST)
From: Claude <mck20@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [123799] Power Supply Noise
Message-ID: <20020402030138.82359.qmail@web11608.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Power Supply Noise.....

I have an Astron power supply (regulated), as well as "generic" type regulated power supplies..... My problem is that in doing receiver experiments I have power supply noise that I hear in the receiver, it is very low, but very annoying.... I hear the same noise in receiving AM signals anywhere on the bands.... I have checked the power supplies and they are in spec's... It is a noise being generated in the regulator circuit....

Somewhere I have seen a schematic of an "add on"

transistor circuit that can be added to the power supplies output and "boost" the filtering ability in a way that the capacitors won't catch....

Does anyone have a copy of such an add on circuit?

I thank everyone ahead of time for help with this one....

Claude WB4WHH
Victoria, Va.

Do You Yahoo!?

Yahoo! Tax Center - online filing with TurboTax
<http://http://taxes.yahoo.com/>

Date: Mon, 1 Apr 2002 22:22:11 -0500
From: "N8IE" <n8ie@woh.rr.com>
To: "QRP-1" <qrp-1@lehigh.edu>, "FPQRP-1" <fpqrp-1@mpna.com>
Subject: [123800] BB 4/02. For real This Time!
Message-ID: <MMEDLKDLOLONJOAIGICDJAMEDPCKAA.n8ie@woh.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok, I had fun with the April Fools edition of the Bacon Bits, but the real one for April is now online at the Flying Pigs webpage.

Also as a special treat, I have posted the FPqrp FYBO 2002 issue. PLEASE NOTE it is a 4MB file, so you might want to get it tonight and read it tomorrow. It's big, but it's pretty! :-)

Enjoy.

72, oo
Dan, N8IE
FPqrp #-6, QRP-1 #1404, FISTS #4985

Date: Mon, 1 Apr 2002 22:31:12 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [123801] Re: [fpqrp] Dayton Advice

Message-ID: <003101c1d9f6\$d6a84a20\$39d81b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is of interest to all QRP'ers going to FDIM/DAYTON-2000
-Diz, W8DIZ

----- Original Message -----

From: "Brian Murrey" <brian@iquest.net>
To: "Pigs" <fpqrp-1@mpna.com>
Sent: Monday, April 01, 2002 10:07 PM
Subject: [fpqrp] Dayton Advice

Hi fellow piggies!!

Last year was my first trip to FDIM and the Hamvention. It was awesome, incredible, and more fun than humans should be allowed. I don't know how many of you are making your first trip this year, but I thought I'd pass on some good advice I got last year and boy did it make the trip more fun!!

Are you coming to buy a boat anchor? If you are, then bring one of those little gear carts. The Hamvention is a HUGE place to be toting around a 150 lb fire breathing Naval Radio Desk.

If you're not planning on a boat anchor then bring a day pack. Bring it, a stack of your QSL cards...(if you don't have some you will be ridiculed at the hotel. All FDImerS are required to post their card on the wall in the hall next to your room number...make some), I have my QSL card shrunk down on a business card size piece of index stock...never know who you might run in to.

Bring a notepad, some writing stuff, bring cash so you can buy neat kits and stuff during the vendor night at the Ramada on Friday. Good deals are to be had! Last year Rev. Dobbs had copies of Harden's Data Handbook for \$20, normally \$25...lot's of kits on sale too.

Personally I prefer hitting the "flea market" first at Dayton...that's where some of the best deals are....especially if it's RAINING. When the WX goes south, so do the prices at the outdoor tables. I got about 1000 feet of stranded 20 gu teflon wire for less than \$3.00 from one soaked vendor.

BRING RAIN GEAR. BRING PORTABLE WARM CLOTHING. The daypack is a great place to keep your rainsuit, and/or a sweatshirt. Mid May is only 5

days past the frost date for this area.

On the first day be sure to hit the Kenwood booth for your free hat.
It's an annual treat. Hit the ARRL booth next for your free
Hamvention 2002 pin for your free Kenwood hat.

Another thing for your daypack, toss in a small first aid kit...band
aids, small pack of wet wipes, mole skin for blisters (wear shoes that
you have already broken in...we're talking concrete floors)
etc...nothing major but just keep in mind you have a lot of people
walking around swinging things, pushing carts, distracted by flashing
lights and the smell of Hamvention Bratwurst.

If you are a FISTS member, stop at the FISTS booth and get your
picture taken, or just stop by to renew or join.

DO NOT SKIP THE MECI TENT. Mendelson's has a tent there with all kinds
of goodies. Last year we were buying double sided copper clad sheets,
2' by 2' for \$3 a sheet.

At FIDM, wear your piggie name tag and introduce yourself to everyone.
I was very pleasantly surprised to bump into such QRP greats as Roy
Lewellen, Rev George Dobbs, Peter Zenker, Jim Kortge, and just all
kinds of QRP folks. It's truly a family reunion type atmosphere.

Need parts and connectors, don't pass up Debco. They're there with
all kinds of stuff in little blister packs.

Also...DO NOT MISS THE FLYING PIG TABLE AT THE HAMVENTION!! Stop by
and greet passers by, talk to the folks about QRP, this is just like a
tent revival meeting where we count our success by the number of QRP
converts we muster up!

Saturday dinner is NOT formal...they do ask that we bathe and wear
shoes, pants, and shirt...but headgear is always appreciated.

Boy...I am ready to go...been READY!!

Date: Mon, 1 Apr 2002 18:04:07 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [123802] Dayton security rules
Message-ID: <Pine.LNX.4.33.0204011802020.830-100000@valhalla.v>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Got my ticket and an info pack. No backpacks this year due to security concerns.

73,

Jim n2go

Date: Mon, 1 Apr 2002 18:04:48 -0500 (EST)
From: <n2go@arrl.net>
To: <qrp-l@Lehigh.EDU>
Subject: [123803] WTB Ten tec 936
Message-ID: <Pine.LNX.4.33.0204011804150.830-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anybody have one of these that they would like to sell?

73,

Jim n2go

Date: Mon, 1 Apr 2002 22:50:49 -0500
From: w4clm.ham@juno.com
To: qrp-l@Lehigh.EDU
Subject: [123804] Still looking for FT-243's
Message-ID: <20020401.225049.1992.6.w4clm.ham@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi guys,
I know I can get the New HC-6Us to fit, but I'd really like to find the following frequencies in FT-243 crystal type if anyone has them and no longer is using them, I'd like to get ahold of some. Thanks

7025
7030
7040
3880

3885
7290
7295

Thanks and Regards
W4CLM
Carol

Date: Mon, 1 Apr 2002 21:00:55 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [123805] Spartan Sprint stuff
Message-ID: <Pine.LNX.4.44.0204012054520.3958-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well I got my W3FF antenna all tuned up on 14.060 MHz and at 0200Z I heard a bunch of guys calling CQ SP and went about working them. I worked WA9TZE on both 20 and 40 meters. He had the best signal on both bands! I heard Doc 599 K0EVZ but he never heard me call. I called him 10 times and gave up. About 0230 I changed coils to 40 meters.

The W3FF antenna is a dipole 16 feet long. On 40 meters that's just not enough. I made 3 contacts on 40 and decided to give up. I'm tired and ready for bed.

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Mon, 1 Apr 2002 22:58:42 -0500
From: "Steve Lawrence" <Steve.Lawrence@ITWFEG.COM>
To: KD5NWA@mbayona.com
Cc: qrp-l@Lehigh.EDU
Subject: [123806] Re: Iambic Paddles A/B
Message-ID: <0F1897B729.95171AAF-0N85256B8F.0012FA5C@itwfeg.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Cecil,
I too remained confused about the "A" and "B" iambic modes, until I read

recently the following from the 1996 ARRL Handbook, pg 22.18. I quote directly...

"With A-type keying, a dot or dash being sent when the paddles are released is completed, and nothing else is sent. With B-type keying, the IC completes the dot or dash being sent upon paddle release, and then sends an opposite element; that is, a dot after a dash and a dash after a dot.

"Suppose you wanted to send the letter N. If you select A-type keying you will squeeze first on the dash side then on the dot side. When you release the paddles nothing will be sent after the dot. B-Type keying is slightly less work. Squeeze the dash side, and if you release the paddle while the dash is being sent the following dot will automatically be sent. To send a single dash you must release the paddle after the dash has been completed.

"Your choice of iambic keying type will probably depend on the method you first learned to use. Some operators find that the B-type keying requires less effort to produce certain characters, such as a period or the letter C. The proper timing for release of the paddles is only half the window for A-type keying, however. If you've learned to send with a keyer that uses type B, stick with it. If you've never used an electronic keyer, it is probably easier to learn to send with A-type keying."

This description greatly helped me de-mystify A and B modes. For the time being, I'm struggling with mode A. It seems straight forward, and perhaps more forgiving to this hand trained on a straight key.

73,
Steve
aa8af

"Ham" <KD5NWA@mbayona.com>
Sent by: owner-qrp-1@Lehigh.EDU
04/01/2002 01:23 PM
Please respond to KD5NWA

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
cc:
Subject: Iambic Paddles A/B

I'm in the process of learning code at this time, and I had a question for the group. When I start learning to send which Iambic method (A or B) would you recommend and why?

Thanks

Cecil
KD5NWA

Date: Mon, 01 Apr 2002 23:31:54 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [123807] Re: [fpqrp] Dayton Advice
Message-ID: <3.0.6.32.20020401233154.00799160@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:31 PM 4/1/02 -0500, you wrote:
>This is of interest to all QRP'ers going to FDIM/DAYTON-2000
>-Diz, W8DIZ

Diz,

Some excellent advice! I have a few other bits I've learned over the years of attending the Hamvention back when it was in April:

- 1) Add sunscreen to your day pack. Especially if you're follically challenged like me. It goes on ears, nose, cheeks, scalp if you need it, and the back of your neck; and if you're wearing shorts, the front of your thighs and the back of your calves. (Trust me.)
- 2) When I was in Boy Scouts I got in the habit of taking toilet paper in a waterproof sandwich bag to every event. I've never regretted it.
- 3) I use a large shoulder bag instead of a day pack. If you don't have one, buy one from Mendelson's.
- 4) Take along some small safety pins to pin your ticket to the strap of your shoulder bag. It's easier than fumbling for your ticket at a gate while lugging that 150 lb fire breathing Naval Radio Desk (or in my case a Model 19 TTY). I have a boonie hat with about 4 small brass safety pins

attached to the chin strap for just such events. (FWIW, the boonie hat helps shade the back of your neck better than the Kenwood et al. gimmee caps. YMMV)

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 1 Apr 2002 23:40:38 EST
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [123808] HamVention Secuirty
Message-ID: <14d.b8aef49.29da9046@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Checkout the UPDATED secuirty info on the HamVention website. Backpacks, fannypacks, wheeled carts ect. WILL be permitted, subject to search.

Go to www.hamvention.org, scroll down to "Security" on the left margin, then click on "FAQ's." I think DARA probably got bombarded with complaints about the new security measures. I know several local Op's who sent emails, and several others who attend every year said they would not go this year.

See you all at the HamVention in May!

73/72 de Chris NV9Z QRP-L #2370

Date: Tue, 02 Apr 2002 13:09:22 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [123809] SP (spartan) de K7Q0 [long]
Message-ID: <5.1.0.14.0.20020402121333.009ec640@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

What a hoot and I had forgotten all about the contest. Usually on Monday nights I have an Applied Mathematics Seminar that I regularly attend, but this Monday I skipped due to two other engagements this week that will eat up all my spare time.

The way I happened upon the contest itself was something out of the dime store novels... I had received from Steve Weber, KD1JV, on Saturday a small rig which he calls the "Back Packer" Dual Band DDS transceiver. So let me explain how the little rig does. He will explain at a later date all the technical details and I'll let him have the floor for that when he feels it is time to announce. It's SMT based and quite small.

The rig itself weighs in at 6.7 oz and measures about 8cm by 3.5cm by 11cm in a plastic box. It reminds of the photo of Wes Hayward all bundled up with a 40 meter rig in a gloved hand. :-) The KD1JV rig does 30 meters and 20 meters. In an email from Steve on Sunday there was some indication that the rig might not work on 20m due to a programming error. I had the little rig powered up on 30m and was listening and tuning around. Then I decided to listen to 20m just to see if my chance it might work. Sure enough I could hear just fine and heard N4BP loudly calling CQ SP and then it hit me that this was the monthly Monday night for the contest. This was about 0300Z.

I hurried around and got the small battery pack made up of AAA NiCd's, the straight key, the random wire dipole with the BNC to dual banana plugs, the folding camping chair and the 500,000 candle power flashlight and headed for the back of the property. I rapidly threw one wire into an oak and put the other out as a counterpoise, hooked the wires up to the connector, the battery and the paddle and plopped down into the chair. Oh. Small note pad with rolling writer pen. I had the battery pack, key, and antenna for previous outdoor contests, so they were in a nylon bag and the battery was pretty well charged up. Small AAA powered pen light for logging and MFJ clock.

From 0318Z until 0335Z I worked 5 stations (all that I heard that were loud enough for me to work). Then I heard the javelinas getting close (as well as smelling them) and I have no desire to mess with a few 40 lb pigs that are uglier than I am. :-) And with the drought conditions I figure

they are pretty hungry to be that close to me in the dark.
I hope I got everything back with me in the rush. :-)

So if you guys that I worked thought I was spazzed out
with the key you were right. Sorry.

I had the rig tuned for 500mW output into a 50 ohm
non-reactive dummy load. In fact the KD1JV digital
wattmeter that I use quite regularly.

The weights are:

rig --- 6.7 oz for the transceiver
battery --- 3.5 oz made up of 12 small AAA NiCds made in Mexico
I think they are rated at 500mAHr and they are light, very light
ant ---- random wire with NO tuner, so Steve the rig still
works even after using high SWR antenna on it :-)
I'll measure it with the MFJ tomorrow when I can
go back and get it. (the antenna, not the rig) :-)
straight key --- 1 oz brass miniature that I made on the
new mill --- copied the German straight key about
the size of a quarter
ear buds for earphones

Total Weight --- 14.5 oz on the postal scale

Single Band of 20 meters.

I'll have the rig on the vee-beam with a tuner to see
how it does. I'll measure the SWR and maybe dig out
the LDG tuner.

Thanks to W0CH, KB7GBI, K0EVZ, N4BP, and KG7GA for the
Q's.

As for the rig itself. It has on the top a single digit 7-segment
display for frequency and keyer speed if you have a paddle.
Steve, reverse the polarity of the dit and dah as it is just the
opposite of the K1 and K2 and all the other rigs I have.....
There is a knob for volume control on the top and 5 push
buttons to control function, RIT, tune up and down in 100Hz
increments, and a memory button for the built in keyer
messaging system.

The sides of the rig have a BNC out for ant, a DC barrel jack for battery,
and two 1/8" (3.5mm) jacks for phones and paddles/key.
A knob of the other side for power out adjustment.

Tunes 30m --- 10.1000 to 10.1500MHz
20m --- 14.0000 to 14.1500MHz
and when you do a band select the default freqs are
10.1180MHz and 14.0600MHz

Keyer Speeds --- 10 to 40wpm in 2wpm increments
manual indicates correct polarity for the dit and dah,
but may not be wired that way

Has a tune mode with dot paddle up to 10 secs and it cuts off.

Memory keyer store mode for messages up to 100 characters.

RIT mode to change receive freq while the transmitter stays at
last frequency.

Two buttons for tuning up and down in 100Hz increments and
when you hit the band edges it beeps and stops. I'd like to
see a WWV mode (with transmitter disabled of course) to
listen to WWV in the field to set clocks etc.....

If you plug in a mono plug you automatically get the
straight key mode on power up --- a neat feature.

Rig operates from about 9 volts (10V minimum for
the relays to switch bands) to 13.8V.

Power out control for adjust from 0W to about 3W out
on 12V or higher power supply. I have yet to measure this as I was
using the small supply and wanted to be able to operate
longer in the field.

Thanks to Steve for letting me try the little rig out and
I'll be emailing some of the changes I'd like to see if
possible. The rig has no AGC and he indicated in
email that it might not happen. The receiver is HOT
and N4BP was very loud when I first ran into him
but when I got to the field he was much quieter ---
probably 'cuz of the change from the vee beam to
a random wire antenna and propagation after dark.

I'll take a picture sometime tomorrow and see if I
can get it on the web page. Late tomorrow most
likely. I only have the rig for a week and I want
to use the time on the air if I can. Note that the
sunspots and flux are coming up over 200.

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Mon, 01 Apr 2002 23:59:49 -0500
From: Steven Weber <kdljv@moose.ncia.net>
To: mck20@yahoo.com
Cc: qrp-1@lehigh.edu
Subject: [123810] Re: Power Supply Noise
Message-ID: <3.0.6.32.20020401235949.007c55a0@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>My problem is that in doing receiver experiments I
>have power supply noise that I hear in the receiver,
> Somewhere I have seen a schematic of an "add on"
>transistor circuit that can be added to the power
>supplies output and "boost" the filtering ability in a

You can build a simple "capacitor multiplier" by using an NPN transistor, a resistor and cap. Put the DC into the collector, put a fairly low value resistor, 100- 220 ohms, from the collector to base, a fairly large cap, 100 ufd or 220 ufds from the base to ground and take the power off the emitter. Add a zener diode from base to ground to turn it into a simple "regulated" supply.

This will significantly reduce any ripple on the supply, provided you don't need a whole lot of current and can stand to lose a few volts across the transistor. This circuit is best used in the low current portions of the receiver, like to power the low level audio sections. It's unlikely you need any additional filtering in the RF sections or audio power amp.

You don't say what kind of noise your hearing. If it's 60 or 120 cycle "HUMM" then the above circuit might help. But I suspect the supplies you're using are already pretty well filtered. Have you tried a battery? If the noise goes away, then you can be pretty sure it does have something to do with the AC powered supply, but it may not actually be from the supply, but a side effect of using a line operated supply. Not enough info to give a really good answer. Also, what kind of receiver, direct conversion or super heterodyne, that can make all the difference too.

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 02 Apr 2002 13:39:44 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: Steve.Lawrence@ITWFEG.COM,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [123811] Re: Iambic Paddles A/B
Message-ID: <5.1.0.14.0.20020402132232.009f1150@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Steve,

If the write up is as you posted on QRP-L for mode-B keying, then the ARRL handbook is in error. I will (later tomorrow) double check it and if enough interest then I'll post a little write up. This is not a critique of you, but of write up in the handbook. Who wrote that section? The way I read it as you posted it you said that I could send an A with only one paddle stroke. As far as I know that is impossible on any keyer.....

I have yet to see a write up from anyone that did the timing state-diagram for a microprocessor on this mode. Elecraft has done an excellent job of getting mode-B as done by both Idiom Press in the CMOS-III and the way that John Curtis did it in the Curtis 8044ABM chips. I would imagine that anyone that goes through all the trouble to figure this stuff out is not going to give away company secrets....

And if anyone posts to QRP-L on the timing, please make sure you get it right. There will be a critical audience waiting in the wings. :-) I haven't come up with a scheme like a state-diagram to do it myself.

Thanks Steve for digging up the writeup and posting. This will start yet another lengthy thread on the topic of mode-A vs mode-B. ;-)

As for me I can only do mode-B. This was witnessed by a multitude at Pacificon when KU7Y came up with a mode-A keyer during a demo that I was doing.... :-) ;-) He still owes me for that one. When I was teaching morse classes I

taught mode-B only as it was my preference and it is not that difficult. You just need to get it explained correctly.

I've always wanted to take the Curtis 8044ABM keyer that I have, the MM-3 from AEA, the DSW-40, and the K1 and K2 and test them all with a microprocessor driven set of two relays with timings to see how close everyone got it. Doing this is one of those future projects in a book type things.

dit dit

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 2 Apr 2002 01:11:15 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: Mike Branca <w3irz@att.net>
Subject: [123812] Re: Air Wound Toroids
Message-ID: <20020402010830.R55754-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike,

Not only you are correct about the Ice Cube Core form, It can also be accomplished as well with WAX Form, If you are in a hurry to finish, just hold the Soldering under it, or the XYL's Hair Dryer. :^}

{ Ear Wax Not Recommended :^}

QRPP Dx Tu, (C) 2002 K3TKS

Sir George, The First :^}

72 ES QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems, Handyman Services,

Commercial & Residential Locksmith Services (301) 572-6789 Office & Fax
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301) 572-6789 IQRR #1,
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Collector of Quartz Crystals and Telegraph Keys.

Maryland Milliwatt Club QRP Reference Library, Donations Accepted.

"72" = "Wishing You Good QRP" (C) 1991 Oleg Borodin, RV3GM

Date: Tue, 02 Apr 2002 15:21:36 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [123813] Mode A vs Mode B Research Question
Message-ID: <5.1.0.14.0.20020402150328.009ee3a0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

OK, here is some homework if you are interested in this
topic. Else, hit the delete key at this time.

Here is what you need.

A. From ftp.lehigh.edu go to pub/listproc/qrp-l/components/
and get the file 8044.ps.Z which is the postscript file of the application
notes for the Curtis Electro Devices 8044ABM Keyer-on-a-Chip.
I'll leave it as an exercise to determine if you get it compressed
or uncompressed via your software. I chased down this file
many many years ago and saved it just in case it disappeared
elsewhere.

B. Get your Elecraft K1 or K2 kit manual and check to see if
there is a write up on the Iambic A or B mode. I doubt it and you
are probably assumed to understand the difference between each.

C. Get your AEA MM-3 manual if you own or have owned this
beautiful critter. This is the one that sends QSOs or you can

"work" a virtual station.....

D. Get your docs on the Embedded Research TICK keyer.
BTW these guys did a talk at Pacificon that was both
enlightening and educational and well researched.

And look through your copies of the ARRL Handbook to check
for any sections on Morse and/or keying.

And then go out on the Internet and using your favorite search
engine see what references to keying modes A and B you can
find. I know of one that I looked at last year and it was totally
wrong. I'll go back and find it for reference sometime tomorrow
when I post. The first keywords that I'd use are ---- CW,
Morse Code, Iambic Keying, and Mode-A/B keying, 8044ABM, ...

Let's nail this topic down and define the final word on it and
hopefully reduce the speculation and turmoil that continually
exists year after year..... :-)

I have gotten everything out here in the middle of the floor
and won't go to bed until I've read it all.

FYI es enjoy,

dit dit (mode-B) ;-)

And I will take the unpopular stance that all CW operators
should use a keyer. There are too many "bad" and "very-bad"
fists on 14.058MHz, 21.058MHz, and other places..... IMHO
Most rigs come with a keyer built in now and a Vibroplex
Code Warrior is a good paddle for the money..... IMHO
Besides, what did you pay for the transceiver? Spare my
ears from the pain and agony of bad CW spacing, please.

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Mon, 1 Apr 2002 23:33:03 -0800

From: "Dave Fifield" <dave@redhotradio.com>
To: <w8diz@fpqrp.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123814] Re: [fpqrp] Dayton Advice
Message-ID: <006d01c1da18\$a034f520\$0200a8c0@AD6A>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have never seen a Kenwood hat at Dayton. Do you mean
Yaesu? They always give out tons of free caps - different
color every year - I have several now, but never wear them.

72, Dave, AD6A

----- Original Message -----

From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, April 01, 2002 7:31 PM
Subject: Re: [fpqrp] Dayton Advice
(snip)
> On the first day be sure to hit the Kenwood booth for your free hat.
> It's an annual treat. Hit the ARRL booth next for your free
> Hamvention 2002 pin for your free Kenwood hat.
(snip)

Date: Tue, 02 Apr 2002 04:30:13 -0600
From: Don <dwittlic@APCI.net>
To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123815] Re: Iambic Paddles A/B
Message-ID: <3CA98835.506170DD@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck and group:
Regarding which to learn.
First an easy question:
True or false: Mode B is the more popular in
terms of which mode is built in to HF rigs and
which is the default on today's keyers. (I think
the answer is true)

If a ham has not learned either mode and is more likely to be stuck using mode B equipment (kenwood TS-850 for example) Then mode B would seem like the proper mode to learn.

Personally, I am a Mode A sender, based on learning iambic from a Ham Keyer that had an earlier Curtis Chip.

I find sending on a Mode B keyer about as welcome as driving a car that would automatically apply the accelerator pedal once after you released it. In enough time I could probably force myself to conform to the "B" keyer's algorithm, but in the mean time my sending would be a disaster. Thank goodness for keyers that give a choice of modes.

Don WN9V

Chuck Adams wrote:

>
> Steve,
>
> If the write up is as you posted on QRP-L for mode-B keying, then
> the ARRL handbook is in error. I will (later tomorrow)
> double check it and if enough interest then I'll post a little write up.
> This is not a critique of you, but of write up in the handbook.
> Who wrote that section? The way I read it as you posted it
> you said that I could send an A with only one paddle stroke.
> As far as I know that is impossible on any
keyer.....
.....
>
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? --- Bring your own water, please.

Date: Tue, 2 Apr 2002 06:24:04 -0500
From: "Ronald Davis" <RDavis24@carolina.rr.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [123816] WTB Ten Tec 208A cw filter with notch
Message-ID: <000d01c1da38\$e5779e10\$a13e4a18@your318ruqz03z>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello

Im looking for a Ten Tec 208A cw filter with notch for a Argonaut 515. If anyone has one for sale please contact me direct.

Thanks

72 de ke4vpn

Date: Tue, 2 Apr 2002 06:28:43 -0500
From: "John Dorson" <jdorson@Worldshare.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [123817] FS: SST-30
Message-ID: <006301c1da39\$8f3e4b60\$53243841@atwork>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The rig has been spoken for.

Thanks to all.

Date: Tue, 02 Apr 2002 07:18:51 -0500
From: KKANALZ@prodigy.net
To: <dave@redhotradio.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123818] Re: [fpqrp] Dayton Advice
Message-ID: <AA-0D1F41082E286491E41B9AB1E7FA7EDE-ZZ@homebase1.prodigy.net>

Like Dave, I have a "ton" of those ham "gimme hats"
and never wear them.

They *DO*, however, make excellent "pooper-scoopers"
when you take your doggie for a walk! :-)

Karl K - W8TIF
Piggie #121
McKinney, Texas

--- Original Message ---

From: "Dave Fifield" <dave@redhotradio.com>

To: <qrp-l@Lehigh.EDU>

Subject: Re: [fpqrp] Dayton Advice

>I have never seen a Kenwood hat at Dayton. Do you mean

>Yaesu? They always give out tons of free caps -
different color every year - I have several now, but
never wear them.

>

>72, Dave, AD6A

Date: Tue, 02 Apr 2002 07:58:12 -0500

From: "E. Roswell" <eroswell@monmouth.com>

To: qrp-l@Lehigh.EDU

Subject: [123819] Re: Lightning Protection

Message-ID: <3CA9AAE4.6111BBF0@monmouth.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

A good source for information on lightning protection is Polyphaser Corp, at:
<http://www.polyphaser.com/>

Of course, they sell surge protectors, but they have a lot of info on how
lightning works and how to guard against it.

73, Ed, K2MGM.

Date: Tue, 02 Apr 2002 08:30:17 -0500

From: Dave Pomeroy <dave@dpomeroy.com>

To: QRP-L <qrp-l@Lehigh.EDU>

Subject: [123820] mode "A" vs mode "B"

Message-ID: <5.1.0.14.0.20020402082644.009e7760@mail.dpomeroy.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

When I built my first K2 a couple of years ago I had never used a keyer and
hadn't sent any morse code in 40 years. I talked to Bob at Wilderness
Radio and he told me to use Mode B and to learn to send with my left
hand. He said that then I could use my right hand for writing and
tuning. Thats the way I learned, I passed the 20 wpm extra test a year
later and now I'm up to about 25 words a minute. Still trying to go

faster. I don't even remember how I make any of the characters now, Its just automatic.

You guys have fun.

Dave Pomeroy K8DNP South Western Michigan

Date: Tue, 02 Apr 2002 13:33:41
From: "Peter Pavlovich" <radioroom@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [123821] un-subscribe
Message-ID: <F176HT1DdQcp0TkYtVj00021a1d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/html

```
<html><div style='background-color:'><DIV>
<P><BR>Please&nbsp; <FONT size=5><FONT color=#ff3333>un-subscribe</FONT><BR></
FONT></P></DIV>
<DIV><FONT size=5></FONT></DIV><BR><BR>
<DIV></DIV></div><br clear=all><hr>Send and receive Hotmail on your mobile device:
<a href='http://g.msn.com/1HM305401/14'>Click Here</a><br></html>
```

Date: Tue, 02 Apr 2002 05:42:27 -0800
From: John Kuklewicz N7ZN <kukl@cybrquest.com>
To: k7qo@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123822] Re: Iambic Paddles A/B
Message-ID: <3CA9B543.AD0DC61F@cybrquest.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<http://home.att.net/~jacksonharbor/modeab.pdf>

two page pdf succinctly describing Mode A and B operation

vy 73 John N7ZN

Chuck Adams wrote:

```
>
> Steve,
>
> If the write up is as you posted on QRP-L for mode-B keying, then
> the ARRL handbook is in error. I will (later tomorrow)
```


> double check it and if enough interest then I'll post a little write up.
> This is not a critique of you, but of write up in the handbook.
> Who wrote that section? The way I read it as you posted it
> you said that I could send an A with only one paddle stroke.
> As far as I know that is impossible on any keyer.....
>
> I have yet to see a write up from anyone that did the timing state-diagram
> for a microprocessor on this mode. Elecraft has done an excellent
> job of getting mode-B as done by both Idiom Press in the CMOS-III
> and the way that John Curtis did it in the Curtis 8044ABM chips.
> I would imagine that anyone that goes through all the trouble to
> figure this stuff out is not going to give away company secrets....
>
> And if anyone posts to QRP-L on the timing, please make sure
> you get it right. There will be a critical audience waiting in the
> wings. :-) I haven't come up with a scheme like a state-diagram
> to do it myself.
>
> Thanks Steve for digging up the writeup and posting. This will
> start yet another lengthy thread on the topic of mode-A vs mode-B. ;-))
>
> As for me I can only do mode-B. This was witnessed by
> a multitude at Pacificon when KU7Y came up with a mode-A
> keyer during a demo that I was doing.... :-) ;-) He still owes
> me for that one. When I was teaching morse classes I
> taught mode-B only as it was my preference and it is not
> that difficult. You just need to get it explained correctly.
>
> I've always wanted to take the Curtis 8044ABM keyer
> that I have, the MM-3 from AEA, the DSW-40, and the K1
> and K2 and test them all with a microprocessor driven
> set of two relays with timings to see how close everyone
> got it Doing this is one of those future projects in a book type things.
>
> dit dit
>
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? --- Bring your own water, please.

Date: Tue, 2 Apr 2002 06:42:34 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Chuck Adams <k7qo@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123823] Re: Mode A vs Mode B Research Question

Message-ID: <Pine.LNX.4.44.0204020638360.2132-1000000@Daisy.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Chuck, I'm a linux user. I am d/l the file as I write this in a small
extern window. Ahh It's here now. In the effort to save trees I will
convert this .ps file to a .pdf file and view it with Acrobat. If you
would like a .pdf I can send it to you.

On Tue, 2 Apr 2002, Chuck Adams wrote:

>
> Gang,
>
> OK, here is some homework if you are interested in this
> topic. Else, hit the delete key at this time.
>
> Here is what you need.
>
> A. From ftp.lehigh.edu go to pub/listproc/qrp-l/components/
> and get the file 8044.ps.Z which is the postscript file of the application
> notes for the Curtis Electro Devices 8044ABM Keyer-on-a-Chip.
> I'll leave it as an exercise to determine if you get it compressed
> or uncompressed via your software. I chased down this file
> many many years ago and saved it just in case it disappeared
> elsewhere.
>
> B. Get your Elecraft K1 or K2 kit manual and check to see if
> there is a write up on the Iambic A or B mode. I doubt it and you
> are probably assumed to understand the difference between each.
>
> C. Get your AEA MM-3 manual if you own or have owned this
> beautiful critter. This is the one that sends QSOs or you can
> "work" a virtual station.....
>
> D. Get your docs on the Embedded Research TICK keyer.
> BTW these guys did a talk at Pacificon that was both
> enlightening and educational and well researched.
>
> And look through your copies of the ARRL Handbook to check
> for any sections on Morse and/or keying.
>
> And then go out on the Internet and using your favorite search
> engine see what references to keying modes A and B you can
> find. I know of one that I looked at last year and it was totally
> wrong. I'll go back and find it for reference sometime tomorrow
> when I post. The first keywords that I'd use are ---- CW,

> Morse Code, Iambic Keying, and Mode-A/B keying, 8044ABM, ...
>
> Let's nail this topic down and define the final word on it and
> hopefully reduce the speculation and turmoil that continually
> exists year after year..... :-)
>
> I have gotten everything out here in the middle of the floor
> and won't go to bed until I've read it all.
>
>
> FYI es enjoy,
>
> dit dit (mode-B) ;-)
>
> And I will take the unpopular stance that all CW operators
> should use a keyer. There are too many "bad" and "very-bad"
> fists on 14.058MHz, 21.058MHz, and other places..... IMHO
> Most rigs come with a keyer built in now and a Vibroplex
> Code Warrior is a good paddle for the money..... IMHO
> Besides, what did you pay for the transceiver? Spare my
> ears from the pain and agony of bad CW spacing, please.
>
>
>
>
> Chuck Adams, K7QO CP-60 k7qo@earthlink.net
> <http://www.qsl.net/k7qo>
>
> Moving to Arizona? --- Bring your own water, please.
>
>

--
Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Tue, 02 Apr 2002 09:09:14 -0500
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-l@Lehigh.EDU
Subject: [123824] FS DSW-40
Message-ID: <3CA9BB8A.6A361479@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

With factory blue case and manual. \$150 shipped CONUS. Please reply direct.

72,
Craig NR4E
Melbourne, FL

Date: Tue, 2 Apr 2002 09:25:29 est
From: brian@iquest.net
To: NV9Z@aol.com,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123825] Re: HamVention Secuirty
Message-ID: <3ca9bf59.4847.0@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Whew!!

Man I was bummed for a minute there. How in the world did DARA think we'd be able to carry around all our STUFF? One option would be to have a swim suit model standing by to help carry things for us. Hmmm...maybe an email to DARA is in order....DAN...I'M TALKING ABOUT A FEMALE SWIMSUIT MODEL...NOT YOU IN YOUR SPEEDO....SAVE IT FOR FIELD DAY.

>Checkout the UPDATED secuirty info on the HamVention website. Backpacks,
>fannypacks, wheeled carts ect. WILL be permitted, subject to search.
>
>Go to www.hamvention.org, scroll down to "Security" on the left margin, then
>click on "FAQ's." I think DARA probably got bombarded with complaints about
>the new security measures. I know several local Op's who sent emails, and
>several others who attend every year said they would not go this year.
>
>See you all at the HamVention in May!
>

>73/72 de Chris NV9Z QRP-L #2370

>
>
>

Date: Tue, 02 Apr 2002 08:23:04 -0600
From: Goemans <jgoemans@facstaff.wisc.edu>
To: qrp-l@lehigh.edu
Subject: [123826] sorry about hotmail & yahoo..
Message-ID: <3.0.2.32.20020402082304.006a00e8@facstaff.wisc.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi gang,

Due to excessive spam, I am filtering out ALL Hotmail and Yahoo email until I find a better way..

Paul Goemans WA9PWP
Stoughton, WI 53589
all email checked by NAV2002

Date: Tue, 2 Apr 2002 09:32:54 est
From: brian@iquest.net
To: "Dave Fifield" <dave@redhotradio.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123827] Re: [fpqrp] Dayton Advice
Message-ID: <3ca9c116.495a.0@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Pardon my boo boo...you are indeed correct! They are genuine Yaesu hats.

73

>I have never seen a Kenwood hat at Dayton. Do you mean
>Yaesu? They always give out tons of free caps - different
>color every year - I have several now, but never wear them.

>
>72, Dave, AD6A
>
>----- Original Message -----
>From: "w8diz" <w8diz@fpqrp.com>
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Sent: Monday, April 01, 2002 7:31 PM
>Subject: Re: [fpqrp] Dayton Advice
>(snip)
>> On the first day be sure to hit the Kenwood booth for your free hat.
>> It's an annual treat. Hit the ARRL booth next for your free
>> Hamvention 2002 pin for your free Kenwood hat.
>(snip)
>
>
>

Date: Tue, 2 Apr 2002 06:31:38 -0800 (PST)
From: Brad Mitchell <n8yg@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123828] Re: Mode A vs Mode B Research Question
Message-ID: <20020402143138.65472.qmail@web14708.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

The real research question is this.

We know that mode A came first, and that mode B came afterwards. Also from all the plethora of documentation out there, the difference between the modes is quite well defined.

However the origin of Mode B is the real question.

In talking with John Curtis to do general research in the topic, as well as for the article that I wrote for

the ARRL web.. (The History of Curtis Keyers),
<http://www.arrl.org/news/features/2002/02/04/2/>

he enlightened me to the origin of mode B. He told me that there was a company that produced a keyer, and it had a bug in the design, which unintentionally added an extra dit or dah after letting go of the paddles. This keyer was produced and sold, and mode

B was born. Now, I would like to hear from folks that

might have an idea about what company this was, as
John

told me who he thought it was, and I would like to
hear from others without letting my info out.

Regards,

Brad N8YG

You can look at a full presentation for Curtis keyers
at the following address. Be warned that the images
load slowly, and that you need to run Internet
Explorer to view them.

73 Brad N8YG

<http://www.qsl.net/n8yg>

Do You Yahoo!?

Yahoo! Tax Center - online filing with TurboTax

<http://http://taxes.yahoo.com/>

Date: Tue, 2 Apr 2002 09:38:05 -0500 (EST)

From: KENNETH ROBERT MCGUIRE <at902@tcnet.org>

To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [123829] WPX results - KC8LTL

Message-ID: <Pine.LNX.4.21.0204020917140.4545-100000@hendryx.tcnet.org>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I was able to put more time into this contest than any of the other major
contests this year. I got more contacts (246) than any other contest, but
it was very slow going on Saturday.

I worked 3 of the last 4 states I need on 20 Meters, so that was
good. For the first time in a major contest, 20 Meters produced more
contacts for me than 10 Meters. 15 was, by far, the best band for me in
this contest.

In the ARRL DX CW test, I almost always got through on the 1st or 2nd
call, even though I was qrp. In the ARRL SSB test, it was a bit harder to
get through, but WPX SSB was much harder to get through. I still got a
new one for me (9G), but missed the 4L, 9K, and A61. Also got a few new
qrp countries.

Used my K2 for most of the contacts, but also compared it to a

TS-570. Most of the time the K2 heard better than the 570, but I had one gripe about the K2 rx. I had a local noise problem on 10 M (only). The Noise Blanker worked great at getting rid of it, but it made it so that strong SSB signals would splatter at least 20 KHz away from the signal. This splatter was not there if the NB was turned off, but then I had S4 noise...

Ken McGuire
KC8LTL in EN74cp
at902@tcnet.org

Date: Tue, 2 Apr 2002 21:45:28 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-l@Lehigh.EDU>
Cc: <joannet@spinn.net>
Subject: [123830] FDIM room sharing
Message-ID: <005101c1dab9\$9da389b0\$0400000a@hunkar.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey gang...

One of our female FP members would like to share a room at FDIM with another female (non-smoker). Please email Jo direct.

TNX, Diz, W8DIZ

----- Original Message -----
From: "Jo Thompson" <joannet@spinn.net>
To: "w8diz" <w8diz@fpqrp.com>
Sent: Tuesday, April 02, 2002 9:23 AM
Subject: room sharing

> Diz, are you on any other qrp lists?
> If so, could you post about my needing
> a female, non-smoker to share
> Wed., Thurs, Fri and Sat. nights? Jo

Date: Tue, 02 Apr 2002 10:14:46 -0500

From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@Lehigh.EDU>
Subject: [123831] Re: [fpqrp] Dayton Advice
Message-ID: <000601c1da59\$250ae4e0\$24553e44@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I have TWO Kenwood hats from Dayton but from
some years ago. Also a couple of Icom ones.
Used to take 'em to the hat guy and he'd put
your call letters on the free hat for a buck.
Hams are cheap, ya know. ;-)
regards,
Tom, W8K0X

> Pardon my boo boo...you are indeed correct!
> They are genuine Yaesu hats.

> >I have never seen a Kenwood hat at Dayton. Do you mean
> >Yaesu? They always give out tons of free caps - different
> >color every year - I have several now, but never wear them.

Date: Tue, 2 Apr 2002 10:16:27 -0500 (EST)
From: igeq100@iupui.edu
To: QRP List <qrp-l@Lehigh.edu>
Subject: [123832] Keying modes
Message-ID: <Pine.GS0.3.96.1020402100544.927C-100000@jade.iupui.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi, Gang -

With regard to the current keying-mode thread, I would like the
opinion of the group (not a hard thing to obtain!). I am toying with a
method of paddle keying that I would call "last-paddle priority" mode, and
it would work as follows. Whichever paddle is pressed, a steady string of
dits or dahs would be sent as long as the paddle is pressed. When the
other paddle was pressed (whether the first paddle was released or not),
its operation would take precedence, and the status of the other paddle
would be ignored (as long as it did not change its status). For example,

the number 2 would be sent as follows: press and hold the dit paddle; when two dits were produced, then press the dah paddle, which would begin to send dah's. At any time during this period, you would release the dit paddle. To send a question mark, press the dit paddle; after two dits, press the dah paddle. Somewhere during dah's being sent, release the dit paddle, and press it again when two dah's have been generated. Then release the dah paddle while the dits are being sent.

I hope that this is less complicated than it sounds. I would like to know whether I have overlooked any glaring faults with my logic and whether anyone would ever use such a scheme. That is, would anyone think that it had some advantages over the other modes.

Let me know what you think.

72,

Rich, WB9LPU

Date: Tue, 02 Apr 2002 15:40:09
From: "Bruce Prior" <n7rr@hotmail.com>
To: w6zip@hotmail.com
Cc: qrp-1@Lehigh.EDU
Subject: [123833] Small Wonder Labs DSW Rigs -- a seller's market and SSB receive mod
Message-ID: <F2494nUTDd2h2jXi2Qd00000c50@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi John --

No, I haven't sold any of my three DSW's. I don't really want to give them up, unless I'm offered a price I simply can't refuse. Somebody had one of the scarce DSW rigs for sale at Puyallup Mike & Key for over \$600. I didn't confirm whether it was actually sold. I've been trying for a long time to persuade Dave Benson to return the DSW series to market, even if he can't duplicate the fancy anodized enclosures. I won't under any circumstances sell my DSW-80, since that very reliable rig is my back-up machine for passing traffic while backpacking. When I carry a DSW rig for portable operation, I use a light-weight half-wavelength dipole and no tuner. In the shack I use an MFJ Deluxe Versa Tuner II. I have the internal tuner installed in my K1. I've installed the one-inductor mod on each of my DSW rigs so I can take advantage of their full-band coverage and use them for cross-mode QSOs with SSB stations on the standard sideband for each band. The SSB audio is quite pinched, of course, since the audio bandpass is designed for CW reception, but it's still copyable. The only reason, in my opinion, for not modifying your DSW-40 to receive LSB is that the time

station CHU transmits on USB. The mod is very simple: just one surface-mount inductor is soldered onto the bottom of the board across C14. For the DSW-40 (or the DSW-30, but there's no reason I can see to modify that rig), use 15 uH and for the DSW-20 or DSW-80, use an 8.2 uH inductor. You don't have to use a surface-mount inductor, of course. It's just neater and lower profile.

72, Bruce Prior N7RR

-----Original Message Follows-----

From: "John Paul Dooley" <w6zip@hotmail.com>
To: "Bruce Prior" <n7rr@hotmail.com>
Subject: Re: WTB SWL DSW 40&20
Date: Mon, 1 Apr 2002 22:02:53 -0800

Bruce,

Did you sell the DSW rigs yet?? I have received my DSW-40 and it's great!!! Worked a few stations on the Spartan Sprint tonight. Just wondering what type of tuner you se for your rigs. Thanks for the bandwidth,
73- John W6ZIP

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Tue, 02 Apr 2002 17:02:49 +0200
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: radioroom@hotmail.com, QRP-L <qrp-l@lehigh.edu>
Subject: [123834] Re: un-subscribe
Message-ID: <3CA9C819.875ED4EC@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Peter,

>
> Please un-subscribe
>

Do it yourself! ;o)

<http://listserv.lehigh.edu/lists/qrp-l/join.html>

--

72/73 de Ingo, DK3RED Don't forget: the fun is the power!
dk3red@t-online.de <http://www.qsl.net/dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Tue, 2 Apr 2002 10:49:46 EST
From: Hal553@aol.com
To: njqrp@njqrp.org
Cc: qrp-l@lehigh.edu
Subject: [123835] Yaesu FT-301S
Message-ID: <11d.ec164e9.29db2d1a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

WTB: 15 Watt Yaesu FT-301S. I've been looking for several months. Am I
wasting my time? I think it would make a nice rig for the beach. I hope I
don't wear out my welcome at Atlanticon with my beginners questions.

Thanks.

Hal

KB3HAA

Date: Tue, 02 Apr 2002 18:16:00 +0200
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [123836] Re: Keying modes
Message-ID: <3CA9D940.FBD186A@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Rich,

> ... I am toying with a
> method of paddle keying that I would call "last-paddle priority" mode, ...

sounds like the description of a single paddle key. ;o)

--

72/73 de Ingo, DK3RED Don't forget: the fun is the power!
dk3red@t-online.de <http://www.qsl.net/dk3red>
DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Tue, 02 Apr 2002 18:42:42 +0200
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [123837] Re: Keying modes (2)
Message-ID: <3CA9DF82.5D034CCC@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Rich,

... too fast on the send button. ;o)

> ... I would like
> to know whether I have overlooked any glaring faults with my logic and
> whether anyone would ever use such a scheme. ...

See on my homepage (http://www.t-online.de/~dk3red/pdf/funky_de.pdf) for a suggestion. It is the logic for a single paddle key and for a "normal" paddle key. The keyer is not in the circuit (only the "bolt"? with the match for the sensor). The pdf file is at the time only in German, but I think the schematic is usefull.

--

72/73 de Ingo, DK3RED Don't forget: the fun is the power!
 dk3red@t-online.de <http://www.qsl.net/dk3red>
 DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Tue, 02 Apr 2002 11:49:37 -0500
From: "John L. Sielke" <w2agn@w2agn.net>
To: Goemans <jgoemans@facstaff.wisc.edu>,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123838] Re: sorry about hotmail & yahoo..
Message-ID: <0204021149370F.09407@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Tuesday 02 April 2002 09:23, Goemans wrote:

> Hi gang,
> Due to excessive spam, I am filtering out ALL Hotmail and Yahoo email
> until I find a better way..
>

--

An excellent idea. I have been tempted to do the same.

John L Sielke W2AGN
w2agn@w2agn.net
http://www.w2agn.net

Trustee: W3IYQ
If you can smile when things go wrong,
you have someone in mind to blame.

Date: Tue, 2 Apr 2002 10:52:01 -0600
From: George Franklin <w0av@juno.com>
To: tfeeny@comcast.net
Cc: qrp-1@Lehigh.EDU
Subject: [123839] Re: [fpqrp] Dayton Advice
Message-ID: <20020402.105201.-1179703.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Tom and All,

A question for you hat guys:

Up until a few years ago headgear with a bill in front was called
a cap.

Suddenly, they are all called hats!
How come?

You are correct: I don't have many important things to worry about.

Sorry.

72/73/74 de George/W0AV
Hamming since '35
SOC#101, COG#1, PITA#1

Date: Tue, 2 Apr 2002 11:17:27 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Low Power Group <qrp-1@LeHigh.EDU>
Subject: [123840] query
Message-ID: <Pine.LNX.4.33.0204021116240.21303-1000000@neale.gpfn.sk.ca>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I've sent a couple of e-mails to Ed, We6W but no answer...just wondering how ed's doing?...anyone know and care to send me an e-mail please?...Ed?...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

Date: Tue, 02 Apr 2002 12:20:35 -0500
From: "John L. Sielke" <w2agn@w2agn.net>
To: George Franklin <w0av@juno.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123841] Re: [fpqrp] Dayton Advice
Message-ID: <0204021220350I.09407@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Tuesday 02 April 2002 11:52, George Franklin wrote:

> Hi Tom and All,
>
> A question for you hat guys:
>
> Up until a few years ago headgear with a bill in front was called
> a cap.
> Suddenly, they are all called hats!
> How come?
>
> You are correct: I don't have many important things to worry about.
>
> Sorry.
>
> 72/73/74 de George/W0AV
> Hamming since '35
> SOC#101, COG#1, PITA#1

--

George,

One of my many peculiarities is, I don't wear baseball caps, (or hats, if you please). I have a couple regular hats (I believe they are called "porkpie hats") with call sign, assorted pins, etc.

I think calling baseball caps hats is just to give them a little better image.

John L Sielke W2AGN
w2agn@w2agn.net
<http://www.w2agn.net>
Trustee: W3IYQ

If you can smile when things go wrong,
you have someone in mind to blame.

Date: Tue, 02 Apr 2002 11:19:45 -0600
From: Mike <mmorrow@companet.net>
To: n8yg@yahoo.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123842] Re: Mode A vs Mode B Research Question
Message-ID: <3CA9E831.434D@companet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Brad Mitchell wrote:

> However the origin of Mode B is the real question.
>
> In talking with John Curtis ... he enlightened me to the
> origin of mode B. He told me that there was a company that
> produced a keyer, and it had a bug in the design, which
> unintentionally added an extra dit or dah after letting go
> of the paddles. This keyer was produced and sold, and mode
> B was born.

This is **exactly** what I've always believed was the origin of mode B.

That presents another interesting "cultural" question: Why did the keyer design flaw now known as mode B become accepted to the point where some rigs and many hams function only in mode B?

There is absolutely NO speed or reduced paddle manipulation advantage to mode B. Mode B allows the paddles to be released a little earlier for **some** Morse characters, but that's it. That's hardly an advantage that is worth the bother of the critical timing of the paddle release

required to avoid an unwanted dot or dash. Mode A timing, on the other hand, is more tolerant and straightforward: A dot or dash is only sent if one has depressed the appropriate paddle for that dot or dash.

Still, I think the mode to learn remains mode B. Most people will never be comfortable using the mode they didn't initially learn. Unfortunately, mode B has become the "popular" mode, regardless of its dubious origins, critical paddle timing requirements, and lack of any advantage over mode A unless it just happens to be the mode on which one learned iambic keying.

I learned mode A, and I will not use a rig that functions only in mode B with the exception of the otherwise fantastic DSW rig. In that case, I revert to a "single-paddle-slap" mode or a straight key,. Mode B gives me a fit that completely destroys the value of having an internal iambic keyer in a rig.

Mike / KK5F

Date: Tue, 2 Apr 2002 12:42:06 -0500
From: "Howard Kraus" <K2UD@adelphia.net>
To: <n2go@arrl.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [123843] Re: Dayton security rules
Message-ID: <000901c1da6d\$b4e9dbc0\$07633018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Backpacks are permitted, but subject to search. The Hamvention also advises to carry identification and provide it if asked.

72

Howard Kraus, K2UD----- Original Message -----
From: <n2go@arrl.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, April 01, 2002 6:04 PM
Subject: Dayton security rules

>
> Got my ticket and an info pack. No backpacks this year due to security
> concerns.
>

> 73,
>
> Jim n2go
>

Date: Tue, 02 Apr 2002 13:15:22 -0500
From: "Craig A. Ferris" <cferris@aeronix.com>
To: qrp-l@Lehigh.EDU
Subject: [123844] DSW sold!
Message-ID: <3CA9F53A.6BA07131@aeronix.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all the responses.

72,
Craig NR4E
Melbourne, FL

Date: Tue, 02 Apr 2002 13:33:09 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: igeq100@iupui.edu, qrp-l@Lehigh.EDU
Subject: [123845] Re: Keying modes
Message-ID: <F170GPlrwAnekVgKMy500001b29@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Rich,
If I am understanding what your saying my MFJ keyer works similar to this already. If I depress the dah then the dit key I will get a -.-.-.-. combination. If I depress the dit key and then the dah key and I will get -.-.-.- assuming I am holding them both down.

To send the two, I push the dit key and after a couple have passed I push the dah and release the dit key before the first dah is complete and I get the ..--- On the other hand, if I push the dit and then push and release the dah I get the L .-..

So if I have not understood what you have said forgive me, but this is the way I understood it.

73 oo
Chuck AA8VS

>From: igeq100@iupui.edu
>Reply-To: igeq100@iupui.edu
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Keying modes
>Date: Tue, 2 Apr 2002 10:16:27 -0500 (EST)
>
>Hi, Gang -
>
> With regard to the current keying-mode thread, I would like the
>opinion of the group (not a hard thing to obtain!). I am toying with a
>method of paddle keying that I would call "last-paddle priority" mode, and
>it would work as follows. Whichever paddle is pressed, a steady string of
>dits or dahs would be sent as long as the paddle is pressed. When the
>other paddle was pressed (whether the first paddle was released or not),
>its operation would take precedence, and the status of the other paddle
>would be ignored (as long as it did not change its status). For example,
>the number 2 would be sent as follows: press and hold the dit paddle;
>when two dits were produced, then press the dah paddle, which would begin
>to send dah's. At any time during this period, you would release the dit
>paddle. To send a question mark, press the dit paddle; after two dits,
>press the dah paddle. Somewhere during dah's being sent, release the dit
>paddle, and press it again when two dah's have been generated. Then
>release the dah paddle while the dits are being sent.
> I hope that this is less complicated than it sounds. I would like
>to know whether I have overlooked any glaring faults with my logic and
>whether anyone would ever use such a scheme. That is, would anyone think
>that it had some advantages over the other modes.
> Let me know what you think.
>
> 72,
> Rich, WB9LPU
>
>
>

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

Date: Tue, 02 Apr 2002 20:35:10 +0200
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [123846] Re: Keying modes (3)
Message-ID: <3CA9F9DE.A7E3ECD1@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Rich,

>From me:
> ... The pdf file is at the time only in German, but I
> think the schematic is usefull.

Now also in English at http://www.t-online.de/~dk3red/pdf/funky_de.pdf .

--

72/73 de Ingo, DK3RED Don't forget: the fun is the power!
 dk3red@t-online.de <http://www.qsl.net/dk3red>
 DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Wed, 03 Apr 2002 02:49:23 +0100
From: Chuck Adams <k7qo@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [123847] Iambic Keying 101 --- Part 1
Message-ID: <5.1.0.14.0.20020402231953.009efdd0@mail.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

I put "Part 1" in the title to cover the bases just in case. Hopefully, if I am careful enough I will get it all right the first time.

Chuck Olson, WB9KZY, writes in his A and B mode article, "The mode B keyer sends an additional element opposite to the one being sent when the paddles are released." Sorry Chuck. Wrong answer. You need some additional information added to this statement for it to be correct. It is confusing to many I'm sure or maybe just me. See timing discussion below.

CW 101

In the beginning there was the dit. In fact, there is a whole world of dits. They come in all sizes and tones. But the most important part is their lifetime. Their lifetime is determined by the "speed" being used by the operator.

time of a dit = 1.2 seconds / WPM (memorize this formula)

At 1 WPM a dit is 1200 mS long
At 5 WPM a dit is 240 mS long
10 WPM a dit is 120 mS long
20 WPM a dit is 60 mS long
and so on....

There is another family called the dahs and their lifetimes are exactly 3 times as long as that of the dit for the same speed.

NOTE: Nowhere in the above definitions is there an allowance for deviation from the timing of each element, the dit and dah. It drives some of us crazy to hear it sent differently on the air. I often hear someone sending CQ and even though they may be strong I can't work them as their timing is all off and it is difficult for me to decipher the code being sent. And you have to ask yourself this question if you get on the air and call CQ for long times and don't get an answer. "Am I sending good code that others want to copy?"

The weighting that keyers have is to adjust for various response times of transmitter keying circuits to get the resulting output to sound correct.

A letter is made up of a combination of dits and dahs and spaces. The spaces are exactly the same length of time as the dit element. Same for numbers, punctuation, and prosigns. BTW, if you are interested in my CD going from 20WPM to 35WPM, you will need to learn the dash, left and right parenthesis and the apostrophe. See the back of the ARRL Handbook. :-)

Letters are separated from other letters by a space equal to three dits. The learning technique called Farnsworth sets the spacing to a greater time to allow the individual more time to decode the previous character. This should not be used on the air IMHO. It is a learning tool only and one should abandon it as soon as possible in order to get

to higher speeds.

Words are separated by a space equal to 5 times the length of a dit.

The first trick in learning the code is not to graphically think about these things but to listen and learn. No charts, no graphs, no cheat sheets, etc. Otherwise you will have to come back and relearn the whole thing over using only sound. Do you have a sonic graph of the letter A somewhere showing how it sounds? Maybe if you are a linguist like Nils. :-)

OK. That's the basics.

Keyers 101

Forget about mode A and mode B keying right now. Concentrate on the following. Iambic Keyers have two inputs. One for the dit paddle and one for the dah paddle. A dual lever iambic paddle like the NorCal paddle, the Bencher, the Mercury paddle, the Hensley paddle, the Kent paddle, etc. has two paddles and you can set it up to have the left or the right paddle to be the dit and the opposite to be the dah. Since I started life out using a Vibroplex Deluxe chrome plated jeweled bearing "bug", I use the left paddle as the dit. It really doesn't matter but you will never find me changing and I'd guess most of us are that way. I am right handed by the way.

And I was born with only two brain cells and they spend most of the time arguing. :-) So I have never had the need to send and write at the same time so I can not send with the left hand and simultaneously write with the right hand. It is enough effort for me to concentrate on sending correctly much less try to do something else at the same time. ;-) Bravo to those of you that can send and write at the same time. What are you doing? Copying what you are sending? :-) ;-)

Let's start with the dah paddle, as it gives us more time to play around. Set the speed at 1WPM (if that is possible). Now touch the dah paddle. You can make contact for 1 uS, 1 mS, 0.25 S, 0.50 S, or 7.1 S and only one dah will be sent (unless there is a programming bug or glitch). In fact if you are coordinated enough you can make

multiple contacts during this time period and still only one dah will be sent. But Heaven help you if the dah paddle is still depressed at 7.2S after the start of the first dah. You will get a second one whether you want it or not. To send one dah you only need to touch the paddle one time and release it BEFORE the start of another element in the timing scheme determined by the speed.

The important concept here is that paddle depression (not a disease) or closure isn't critical to get a beautiful element sent. That is the function and purpose of a keyer --- to give you beautiful output with some leeway on just how you touch (not slap) the paddles.

As long as the ONE paddle is depressed the keyer will continue to send dahs (same for the other side except you get dits). And what happens when you release is critical as to determine if the keyer is through or has one more element to send. AND if the paddle is closed at the time another element is to start, then you will get that element. There is no memory involved here --- either for mode A or B. They both work the same.

Iambic Keying 101

With a dual paddle there is one more physical condition that can occur and that is that both paddles are closed, i.e. depressed, at the same time. This is called squeeze keying. As long as both paddles are closed simultaneously a sequence of alternating dits and dahs will be sent. Sounds like iambic pentameter rhythm in poetry and I hope you didn't sleep through that class in English.

Now the hard part(s). The first element to be sent is determined by the first paddle to be closed. If by some miracle you can get both contacts to close simultaneously the all bets are off. My guess is that the gate that hits the on or "true" condition first internally wins the race and that element gets sent first. It's not enough to lose sleep over 'cuz you usually know what you want first and you make sure that paddle gets closed first. If the keyer is microprocessor based then the first element will be sent is determined which of the two inputs was being "poled" or tested at the time of closure or if interrupt driven then another issue.

Dot and dash memory. The keyer has circuitry or an algorithm built in (if it is a programmed microprocessor)

to "store" a dit or dah temporarily that will be sent at the next opportunity that can occur, i.e. after a space element. Do the following. Hold down one paddle and send a continuous string of elements. Lightly tap the opposite paddle. That opposite element will be inserted into the string at the next window of opportunity and that will be at the start of what would be the next dit or dah that was being sent in a string.

The timing requirement is that when the key is depressed, if an element is in progress, then the new element will get sent at the next start time after the space element. And if the key is depressed in the middle of the space, then you get the immediate slot. Got it? I knew you would.

Mode A and Mode B

What the difficulty and all the discussion is about is what happens at the time of release, i.e. the time at which a paddle is opened. And this is where differences occur that determine mode A vs. mode B.

In mode A. When the paddle or paddles are released, either during a space element or during a current element being sent, then sending is stopped after the completion of the current element being sent. It was simple to do, thus mode A came first.

In mode B. And this is the part that everyone that I have seen explain this misses. What is very very critical is that you have to look at the condition of the paddles at the MIDPOINT of the current element being sent. I just spent 15 minutes doing this with the Idiom Press CMOS-III keyer on the lowest speed I could get (about 3WPM). I will go back and do this with the Curtis 8044ABM. I could not test this on the K2 as the lowest speed it will go is 9WPM and I'm not that coordinated or fast enough. Wayne B. may or may not tell us if he did the code this way.

(My guess Brad is that AEA was the first to do mode B in their line of keyers that were microprocessor based.)

If at the mid point of an element the opposite paddle is still depressed, then the alternating element will be sent after the space. If you can let go of the opposite paddle before this critical time (the midpoint), then you won't get anything from that paddle, unless you reclose it before the finish of the space. Everything that I have seen

in print by others implies that if the opposite paddle is closed at the beginning of the element then you will get the opposite element sent. This is not supposed to be the case and if any of you software guru's in your code for the mode B have it this way I'd suggest changing it. I had this discussion with Dave Benson, K1SWL (I still miss NN1G Davey), in the first version of the DSW-XX software as it drove me crazy, but he fixed it.

OK, let's try this with the letter A. You can touch dit and then dah rapidly before the dit completes and you will get the letter A in mode A or mode B. This is because of the "memory" feature of the keyer. Neato stuff.

Or, you can hold the dit and squeeze the dah. You must release the dit paddle BEFORE the half-way point in the dah. If the dit paddle is still depressed at the half-way point then you automatically get the letter R in mode B. In mode A you have to continue to hold the dit paddle until the dit starts after the dah. I have been able to verify this with the CMOS-III and I'd have to spend a heck of a lot of time on the others to find out how they do it.

Personally I have a great deal of difficulty at higher speeds if the algorithm varies from the above conditions. I don't know how everyone is doing this in their keyers as I spend most of my time using a CMOS-III to drive the QRP-10A and the SWL-XX+ rigs which are my favorites even though I own a K1 and K2 and several TenTec Corsair I's. I like simple 'cuz the two brain cells get confused by all those bells and whistles. I guess it goes back to the old Heath HW-16 rig that I loved so much.... :-)

John Curtis in his write up did not give a timing diagram and it would be interesting to see if there was one or if he could do one at this time. Brad may have found this out in writing his article and I have to go back and print it off and see. The question may not have come up, but I'm sure in the TICK keyers there must have been some consideration of this problem of what to do during the first half of an element.

Chuck Olson's timing diagram on page two is perfect and that is what we need to illustrate how this works. Chuck what do you do if you draw the Mode B diagram

and release the dit paddle at a point BEFORE the mid-point of the second dah. If you do, then you should only get the letter K. Didn't you do a keyer and did you do it this way? Inquiring minds wanna know. :-)

And where I think this timing issue is critical? At the higher speeds above 30WPM where the human response time is critical. I think by not having the half-point check will make sending more frustrating and difficult. IMHO.

OK, gang. I spent half the morning working on this and let's hope that I didn't waste my time or valuable bandwidth posting this. I'll put it in a book and by that time I will have experimented with the other keyers even if I have to microprogram a 16F84 driving relays to test algorithms at critical time periods. There are still many questions to be answered and so little time.

I love doing this stuff as it makes one sit down and think through what others were trying to do but didn't give us the working diagram(s).... A form of reverse engineering like in the old days of disassembling code. :-)

Enjoy and see you on the air. Please do not repost this to QRP-L. To many postings have a complete copy of the previous postings and it is a waste of bandwidth IMHO. I'll have a post of that topic next week sometime. :-)

When I work someone on the air I do not give a single thought as to whether the person is right or left handed or using a keyer/straight key as long as I can copy it cleanly. It doesn't matter whether you are using mode A or mode B and I can't tell on the other end.

I am trying to work up a mathematical scheme for rating someone's code. Like the scoring used in the Olympics from 10.0 for perfect to 1.0 for unreadable and terrible. Something that a code copying computer could output for evaluation.

And spelling does count on the air. :-)

I am the only person in the world that has sent using Morse by paddle most of the words in the Merriam-Webster Pocket Dictionary and I won't tell you how much time I spent. Helped the sending and surely helped the spelling.

Try it sometime. Or even sit down with the daily newspaper and send a column (not on the air BTW). Try mode B with your keyer.

And I may not be the only person to have done this, but I have listened to the KJV of The Bible, both Old and New Testaments, at over 60WPM. This was easy as I downloaded the text off the Internet, so I didn't have to type it in. Used the SGI 02 to create the CDs. There was and still may be code practice on the air using this text as practice on 40 meters.

If you want to or feel the need to put this in a newsletter, let me know first. I may want to edit and take away or add something that may be needed. Thanks in advance.

dit dit es cu

P.S.

right parenthesis is KK
left parenthesis is KN
apostrophe is WG

FYI :-)

Homework: Take the PIC 16F84 project on page 22.62 of the 2001 Handbook. Use it as a code practice oscillator using a straight key as input to one of the input ports. Setup a timing such that it will only send perfect dits and dahs from input from the straight key.

Advanced Homework. Now do an Iambic Keyer with option for mode A or mode B. :-)

Hard to break the old teaching habits. :-)

Chuck Adams, K7QO CP-60 k7qo@earthlink.net
<http://www.qsl.net/k7qo>

Moving to Arizona? --- Bring your own water, please.

Date: Tue, 02 Apr 2002 13:39:10 -0500
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@Lehigh.EDU>
Message-ID: <001601c1da75\$aeca3200\$24553e44@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

> A question for you hat guys:
> Up until a few years ago headgear with a bill in front was called
> a cap. Suddenly, they are all called hats! How come?

I have no idea.

> You are correct: I don't have many important things to worry about.

Yep.

Tom

Date: Tue, 02 Apr 2002 20:39:17 +0200
From: "Ingo, DK3RED" <dk3red@t-online.de>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [123849] Re: Keying modes (3a)
Message-ID: <3CA9FAD5.45B51940@t-online.de>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Rich,

sorry for the typo. The right URL is
http://www.t-online.de/~dk3red/pdf/funky_en.pdf .

--
72/73 de Ingo, DK3RED Don't forget: the fun is the power!
 dk3red@t-online.de <http://www.qsl.net/dk3red>
 DL-QRP-AG #824 <http://www.dl-qrp-ag.de>

Date: Tue, 2 Apr 2002 13:51:47 EST

From: JClinton46@aol.com
To: qrp-1@lehigh.edu
Subject: [123850] Re:Mode A vs Mode B Research Question
Message-ID: <120.ded2443.29db57c3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Some time ago I ran across a page where the author detailed the "keystrokes" required for each character using a straight key, single paddle and mode A and B. I have been unable to find it (some helpful technician at AOL helped me lose all my favorites about 6 months ago), but I do remember that that Mode B used fewer "keystrokes" on some characters. I think his contention was that mode B was a better choice since it required fewer movements and could therefore result in a faster send speed or be less tiring.

I guess it would be like comparing Dorvak(sp) to QWERTY keyboard layout. Even though Dorvak has been shown to be less fatiguing, it would be very difficult to change if you learned on QWERTY.

Clint Poss
KE4FDT

Date: Tue, 2 Apr 2002 14:00:28 -0800
From: "W2WU" <w2wurjj@verizon.net>
To: <tfeeny@comcast.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123851] CAP/HAT
Message-ID: <001e01c1da91\$e359a2a0\$71c2fea9@w2wu>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Semantics: Cap = covering for the head with a visor and no brim.
Hat = covering for the head usually having a shaped crown
and brim.

Is this natural entropy (either definition) or the mutations indigenous
to our language?

73, Ron W2WU

----- Original Message -----

From: Tom Feeny <tfeeny@comcast.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: 02 April, 2002 10:39

>
> > A question for you hat guys:
> > Up until a few years ago headgear with a bill in front was called
> > a cap. Suddenly, they are all called hats! How come?
>
> I have no idea.
>
> > You are correct: I don't have many important things to worry about.
>
> Yep.
>
> Tom
>
>
>

Date: Tue, 02 Apr 2002 14:29:18 -0500
From: Tom Feeny <tfeeny@comcast.net>
To: *QRP-L <qrp-l@Lehigh.EDU>
Subject: [123852] Cap/Hat
Message-ID: <001001c1da7c\$afdbc4e0\$24553e44@waldlk01.mi.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=Windows-1252
Content-transfer-encoding: 7BIT

> Semantics:
> Cap = covering for the head with a visor and no brim.
> Hat = covering for the head usually having a shaped crown and brim.
> Is this natural entropy (either definition) or the mutations indigenous
> to our language?

Yep.

Tom

Date: Tue, 2 Apr 2002 13:35:59 -0600
From: "Ham" <KD5NWA@mbayona.com>
To: <qrp-l@Lehigh.EDU>
Subject: [123853] Re: [TenTec] what is "quiet"?

Message-ID: <008801c1da7d\$9e537000\$373d010a@a000>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

But unless you have some very good filters up front, adjacent strong signals will get into the IF/Mixer chains and cause third order distortions, a DSP filter is a compromise, it will not clean up noise without some loss of signal quality. The answer is that you need both, now different engineers have different ideas on how mix those two approaches, and that they say makes the world go around (I personally think is the moment of inertia).

Cecil
KD5NWA

----- Original Message -----
From: <cherry@getnet.net>
To: <tentec@contesting.com>
Sent: Tuesday, April 02, 2002 1:12 PM
Subject: Re: [TenTec] what is "quiet"?

> That is why a IF DSP receiver has the potential to be very low noise.
> The IF DSP receiver does not need narrow ringing filters or complex
> circuits to get passband tuning. There is no noise introduced by the
> product detector since it has no product detector. Multiple notches
> and noise cancelling can be added with no additional circuitry.
> Jim W7ANF
>
> Quoting n4lq@iglou.com:
>
> > In my unprofessional opinion.....Every time we run that little signal
> > through a non-active component such as a transformer, diode, coil,
> > capacitor or filter of any type, we loose some of it. Then we must boost
> > if back up with amplifiers. We worry about images so we use a high
> > frequency IF. Doing this adds more noise. To get the 14mhz signal to the
> > IF frequency we must add a mixer/oscillator....more noise.
> > Then we say...whoops..The IF frequency is too high for good selectivity!
> > So we must reduce it and install a filter. Slap another few mosey,
> > unproductive stages in there...another mixer, another few transformers
> > and some crystal filters....Oh..Crank up the gain boys, we're starting
> to
> > loose our patient! But wait...We need passband tuning..Slap in another
> > pair of mixers and oscillator and more transformers and BOOST HER UP
> > AGAIN! By the time we're done, our poor, wimpy little signal is almost
> > buried in all that racket.
> >

> > So why do we have all this extra baggage?
> >
> > A lot of it started when AGC became a standard fixture in our cw
> > receivers. With it, we need enough gain to produce a bias voltage and
> > make our S-meters flop around.
> >
> > Then came the general coverage receiver craze. Suddenly, the receiver
> > must cover 100khz to 30mhz....Not a bad feature in itself but various
> > compromises are needed now.
> >
> > Finally, along came the quest for super selectivity and passband tuning
> > the results of which we are all familiar.
> >
> > The QRP boys believe that most of the gain and selectivity should be
done
> > at the audio level. Hum and microphonics are design problems that have
> > been overcome in recent years. A tight front end, one conversion stage,
a
> > moderate gain IF with a few crystals in "ladder" arrangement, BFO/Mixer
> > and high gain audio amp blended with DSP would sure make a wonderful
> > sounding cw radio wouldn't it? :*)
> > LQ
>
>
>
> -----
> TenTec mailing list
> TenTec@contesting.com
> <http://lists.contesting.com/mailman/listinfo/tentec>

Date: Tue, 2 Apr 2002 12:36:10 -0800
From: "Glen Leinweber" <leinwebe@mcmail.cis.mcmaster.ca>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [123854] 17M mods to 38S rig.
Message-ID: <001401c1da86\$05f06d00\$07ea7182@mcmaster.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

With Jim Kortge's help, I started a "clean" build of
a 38S rig, but changed it to 17M band. Makes a
very fine rig, and covers all the CW area using
a super-VX0. With a 4 MHz I.F., the CW filtering
is about 400 Hz bandwidth, and very much
single-signal.

Some rather extensive mods were added
(hacking some printed circuit traces) to beat
the dreaded "thump".

I'd not recommend trying to mod a previously-built
38S, unless you have great dexterity, immense
patience, and good electronic knowledge.

Anyway, schematic (in pdf form) is up on
this site:

<http://epic.mcmaster.ca/~elmer101>

-Glen VE3DNL

Date: Tue, 02 Apr 2002 15:37:23 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: tfeeny@comcast.net, qrp-1@Lehigh.EDU
Subject: [123855] Re: Cap/Hat
Message-ID: <F32HltIalmlEuef4wvS0001b73c@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I thought the cap was measured in Farads and had a couple
of leads..... <sorry>

From: Tom Feeny <tfeeny@comcast.net>
>Reply-To: tfeeny@comcast.net
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: Cap/Hat
>Date: Tue, 02 Apr 2002 14:29:18 -0500
>
>
> > Semantics:
> > Cap = covering for the head with a visor and no brim.
> > Hat = covering for the head usually having a shaped crown and brim.
> > Is this natural entropy (either definition) or the mutations indigenous
> > to our language?
>
>Yep.
>
>Tom
>

"Racial interaction is described by Physics,
for every action there is an opposite
reaction. We hate them, they hate us, and
we hate them back. And there you are, we are
trapped by mathematics."

-Londo B5

<http://aa8vs.dhs.org:81/aa8vs>

Chat with friends online, try MSN Messenger: <http://messenger.msn.com>

Date: Tue, 02 Apr 2002 12:59:58 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: elecraft@mailman.qth.net
Cc: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>
Subject: [123856] Elecraft CC and WAS awards web page online
Message-ID: <3CAA1BCE.ABA0917@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

We've just uploaded the Elecraft CC & WAS awards page to the our web page. See:
http://www.elecraft.com/elecraft_awards.htm

Thanks again to Jerry, K6III, for setting up and administering this program!

73, Eric WA6HHQ

Date: Tue, 02 Apr 2002 16:09:35 -0500
From: "John L. Sielke" <w2agn@w2agn.net>
To: Charles Mabbott <aa8vs@msn.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [123857] Re: Cap/Hat
Message-ID: <0204021609350T.09407@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Tuesday 02 April 2002 15:37, Charles Mabbott wrote:

> I thought the cap was measured in Farads and had a couple
> of leads..... <sorry>
>
>
> From: Tom Feeny <tfeeny@comcast.net>

--

Young whippersnappers! That's called a Condenser.

John L Sielke W2AGN
w2agn@w2agn.net
<http://www.w2agn.net>
Trustee: W3IYQ

If you can smile when things go wrong,
you have someone in mind to blame.

Date: Tue, 2 Apr 2002 15:11:20 -0600
From: George Franklin <w0av@juno.com>
To: aa8vs@msn.com
Cc: qrp-1@Lehigh.EDU
Subject: [123858] Re: Cap/Hat
Message-ID: <20020402.151321.-1552173.1.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Chas.,

Back in the good old days, caps came in rolls and were shot iin cap
pistols.

Oh, well.

72 de George/W0AV
K2 SN 550, RA37627153, 3-time Nash Owner
PITA#1 (Undisputed champion)

Date: Tue, 2 Apr 2002 13:21:56 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <carlseye@tampabay.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [123859] Re: Free Firewall Software?

Message-ID: <005c01c1da8c\$6c5263e0\$9a5fa13f@johnslt>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Is the Zonealarm program compatible with other security programs, such as
> Norton or McAfee???

I'm using it with McAfee. It's McAfee that doesn't work too well!

72,

John, K6QQ

Date: Tue, 02 Apr 2002 21:26:18 +0000
From: Larry Cahoon <lejek@erols.com>
To: aa8vs@msn.com,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [123860] Re: Cap/Hat
Message-ID: <5.1.0.14.0.20020402212457.00b7bf08@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I can't resist it.

I thought a Cap was something you put on top of a vertical antenna - like
in a Cap Hat.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

At 03:37 PM 4/2/2002 -0500, Charles Mabbott wrote:
>I thought the cap was measured in Farads and had a couple
>of leads..... <sorry>

Date: Tue, 02 Apr 2002 16:37:13 -0500
From: "Charles Mabbott" <aa8vs@msn.com>
To: qrp-l@Lehigh.EDU
Subject: [123861] Re: Cap/Hat

Message-ID: <F12gdYXSVvR0WssM5sG0002ebde@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

John,

The condenser is what they use in TN/ KY and it is made from copper and a loose coil. Ahhhh the by product is meeehaaaa gooooooooooooood.

Chuck AA8VS

>From: "John L. Sielke" <w2agn@w2agn.net>

>To: Charles Mabbott <aa8vs@msn.com>, Low Power Amateur Radio Discussion

><qrp-1@Lehigh.EDU>

>Subject: Re: Cap/Hat

>Date: Tue, 02 Apr 2002 16:09:35 -0500

>

>On Tuesday 02 April 2002 15:37, Charles Mabbott wrote:

> > I thought the cap was measured in Farads and had a couple

> > of leads..... <sorry>

> >

> >

> > From: Tom Feeny <tfeeny@comcast.net>

>

>--

>

>Young whippersnappers! That's called a Condenser.

>

> -----

> John L Sielke W2AGN

> w2agn@w2agn.net

> http://www.w2agn.net

> Trustee: W3IYQ

> If you can smile when things go wrong,

> you have someone in mind to blame.

"Racial interaction is described by Physics,
for every action there is an opposite
reaction. We hate them, they hate us, and
we hate them back. And there you are, we are
trapped by mathematics."

-Londo B5

<http://aa8vs.dhs.org:81/aa8vs>

Join the world s largest e-mail service with MSN Hotmail.
<http://www.hotmail.com>

Date: Tue, 2 Apr 2002 13:38:35 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [123862] Off to Arkiecon
Message-ID: <015101c1da8e\$c12abfa0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok guys, this is it. Leaving in an hour for Sacramento where I will spend the night with my daughter, and then fly to Tulsa tomorrow. Will spend a couple of days with a college buddy, then drive on down to Ft. Smith. See all you Arkies on Friday night at the dinner. It is gonna be a real party. Be sure and bring an acoustic instrument and join in the old time jam on Friday night at the hotel. We have a banjo player (covers up all my mistakes), 3 guitar players, and 2 dulcimer players so far. Every one is welcome. Oh, by the way, Dave Yarnes is coming and bringing his voice, so you won't have to listen to me sing. No autographs signed, but hugs from female groupies freely accepted. JayBob, get ready for a fun time. 72,
Doug

Date: Tue, 2 Apr 2002 17:05:23 -0500
From: "Kwik, Ed " <ed.kwik@delphiauto.com>
To: "QRP-L (E-mail)" <qrp-l@lehigh.edu>, <ekwik@aol.com>
Subject: [123863] Michigan QRP Net tonight
Message-ID:
<9F176F70FD71AC48AFC36F879D2B84E38F3675@tryexch01.NorthAmerica.DelphiAuto.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Last week we had a great turnout:

AA1MY Seab
W8IQB Lowell
W8EGI Don
K8CV Walt
N8CQA Buck
KB9JLO
K8NWD Tim
K1CL Chuck
VE3FAL Fred
N8KBG

Thanks for all of the check ins. The Michigan QRP net meets every =
Tuesday night at 9:00 PM Eastern time on 3.535 MHz.. All hams are =
welcome

Ed AB8DF Waterford, M I

Date: Tue, 2 Apr 2002 17:18:52 -0500
From: "Lee Mairs" <lmairs@cox.rr.com>
To: <ki6ds@dph.dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [123864] Re: Off to Arkiecon
Message-ID: <014801c1da94\$60dd10c0\$6401a8c0@cox.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hilda! Quick! Grab the girls and hide them in the barn....

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Tuesday, April 02, 2002 4:38 PM
Subject: Off to Arkiecon

> Ok guys, this is it. Leaving in an hour for Sacramento where I will spend
> the night with my daughter, and then fly to Tulsa tomorrow. Will spend a
> couple of days with a college buddy, then drive on down to Ft. Smith. See

> all you Arkies on Friday night at the dinner. It is gonna be a real party.
> Be sure and bring an acoustic instrument and join in the old time jam on
> Friday night at the hotel. We have a banjo player (covers up all my
> mistakes), 3 guitar players, and 2 dulcimer players so far. Every one is
> welcome. Oh, by the way, Dave Yarnes is coming and bringing his voice,
so
> you won't have to listen to me sing. No autographs signed, but hugs from
> female groupies freely accepted. JayBob, get ready for a fun time. 72,
> Doug
>

Date: Tue, 02 Apr 2002 21:45:50 +0000
From: Larry Cahoon <lejek@erols.com>
To: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>,
elecraft@mailman.qth.net
Cc: QRP-L <qrp-l@lehigh.edu>, GQRP <gqrp@groups1.vip.scd.yahoo.com>
Subject: [123865] Re: [Elecraft] Elecraft CC and WAS awards web page online
Message-ID: <5.1.0.14.0.20020402214442.02179eb0@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Good job.....The WAS application will be in the morning
mail.....

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

Date: Tue, 2 Apr 2002 13:57:58 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Lee Mairs" <lmairs@cox.rr.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [123866] Re: Off to Arkiecon
Message-ID: <015701c1da91\$76a01400\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, that's better than hide the boys, grin. See ya, Lee. 72, Doug
----- Original Message -----
From: "Lee Mairs" <lmairs@cox.rr.com>

To: <ki6ds@dph.dpol.net>; "Low Power Amateur Radio Discussion"
<qrp-1@Lehigh.EDU>
Sent: Tuesday, April 02, 2002 2:18 PM
Subject: Re: Off to Arkiecon

> Hilda! Quick! Grab the girls and hide them in the barn....

>

>

>

>

>

> ----- Original Message -----

> From: "Doug Hendricks" <ki6ds@dph.dpol.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Tuesday, April 02, 2002 4:38 PM

> Subject: Off to Arkiecon

>

>

> > Ok guys, this is it. Leaving in an hour for Sacramento where I will
spend

> > the night with my daughter, and then fly to Tulsa tomorrow. Will spend
a

> > couple of days with a college buddy, then drive on down to Ft. Smith.
See

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> party.

> > Be sure and bring an acoustic instrument and join in the old time jam on
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> so

> > you won't have to listen to me sing. No autographs signed, but hugs
from

> > female groupies freely accepted. JayBob, get ready for a fun time. 72,

> > Doug

> >

Date: Tue, 2 Apr 2002 17:25:34 -0500

From: "Mike Yettsko" <myetsko@insydesw.com>

To: <w0av@juno.com>,

"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>

Subject: [123867] Re: Cap/Hat

Message-ID: <000b01c1da95\$503de360\$0600a8c0@charter.net>

MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Naw! They were KEPT in rolls and hit with big hammers!

> Hello Chas.,
>
> Back in the good old days, caps came in rolls and were shot iin cap
> pistols.
>
> 72 de George/W0AV

Date: Tue, 02 Apr 2002 17:30:39 -0500
From: "John L. Sielke" <w2agn@w2agn.net>
To: Mike Yetsko <myetsko@insydesw.com>,
 Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [123868] Re: Cap/Hat
Message-ID: <0204021730390W.09407@jsielke>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

On Tuesday 02 April 2002 17:25, Mike Yetsko wrote:

> Naw! They were KEPT in rolls and hit with big hammers!
>
> > Hello Chas.,
> >
> > Back in the good old days, caps came in rolls and were shot iin cap
> > pistols.
> >
> > 72 de George/W0AV

--

Some of the caps (worn backwards, with associated trousers hanging below the waist) need the same treatment, at least the big hammer...

John L Sielke W2AGN
w2agn@w2agn.net
<http://www.w2agn.net>
Trustee: W3IYQ

If you can smile when things go wrong,
you have someone in mind to blame.

Date: Tue, 2 Apr 2002 15:49:33 -0700
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@lehigh.edu>
Subject: [123869] QQ
Message-ID: <001a01c1da98\$c7f52320\$37d8070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QQ arrived today and as usual another great issue Again thanks to all
involved who give up so much off thier personal time to put thid publication
out 72 Cal KF7ET misplaced Vermonter in Idaho

End of QRP-L Digest 2513

